



# City of Key West General Engineering Services

RFQ # 17-002







**Stantec**

Design with community in mind







# What's Inside

1. Cover Letter .....	2
2. Company Profile .....	4
3. Identification of the Team .....	8
4. Key Personnel Expertise .....	11
5. Relevant Experience .....	64
6. Proposed Management Approach .....	82
7. Ability to Perform the Services .....	89
8. Forms .....	90
9. Licenses and Certifications/Addenda .....	136

# Cover Letter



City of Key West  
General Engineering Services

RFQ # 17-002





# Company Profile



April 18, 2017

901 Ponce de Loen Boulevard, Suite 900  
Coral Gables, Florida 33134  
P- (305) 445.2900

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

Reference: General Engineering Services - RFQ No. 17-002

Attention: Janet Muccino, Project Manager

Ms. Muccino,

What kind of team does it take to provide you with the right combination of enthusiasm, qualifications, and experience for this contract? It takes a team that works together and is driven to achieve. At Stantec, we collaborate across disciplines and industries to bring projects to life. We are ready to be your project partner and meet your needs in a creative and personalized way. Please note that our company is submitting for the following categories:

- Civil Engineering Services
- Utility Engineering Services
- Solid Waste Engineering Services
- Coastal Engineering Services
- Structural Engineering Services

Stantec's in-house design team includes civil, environmental, utilities, roadway, drainage, water, wastewater, electrical, mechanical, electrical, plumbing, transportation and traffic, and structural engineering, along with architectural services and construction engineering and inspections. Rounding out our team we have included sub-consultants providing surveying and mapping, geotechnical and environmental permitting services. Our complete team has extensive experience in the planning, design and rehabilitation of every type of public facility. **We are fortunate to have been awarded over 50 continuing services contracts for various public sector agencies throughout South Florida, and many more around the globe.** The success of these contracts has provided Stantec with a clear understanding of these services, and knowledge that we must remain on call and provide immediate response for the needs at hand. In fact, the public sector has comprised well over 95% of our local work load over the last 28 years. It is our Coral Gables office's "bread and butter" and we take great pride in that.

Stantec has been providing engineering and architectural services to municipalities for over 63 years – and in South Florida for over 28 years. We have experience in all related service areas described in the RFQ and we are particularly familiar with the design criteria and standards used within each required discipline. Our experience with agencies at every level ensures every project is delivered on-time and within budget. These agencies include the State of Florida Department of Transportation, Monroe County Public Works & Engineering Department, City of Key West Engineering Department, the State of Florida Department of Health, the State of Florida Department of Environmental Protection and the South Florida Water Management District as well as applicable Building codes. Our team is also familiar with the applicable ordinances of the City of Key West.

Stantec has worked with numerous local municipalities under General or Continuing Service contracts throughout the area, including the City of Key West. Project **assignments completed for the City include Sailfish Pier Replacement, Dolphin Pier Replacement, Trumbo Road Shoreline Stabilization, Zero Duval Permitting, Angela Street Reconstruction, Citywide Stormwater Permit Monitoring, and 10th Street Lake Park.** We are also in the process of permitting various improvements including landscaping at Reynolds Street Pier for Monroe County Public Works. Additionally, we have worked on a number of Capital projects in the area including a Mote Marine Research Laboratory, runway pavement investigation for Boca Chica NAS, the FDOT CEI services for SR A1A in Key West, the FHP Police Station in Marathon, the Marathon City Park Expansion, the Environmental Assessment of Houseboat Row Seagrass Restoration in Key West, and the Jacobs Aquatic Complex on Key Largo to name a few. Our strength lies in our resources and strategic office locations throughout the



State. Our Coral Gables office, with its 100 employees, will be managing this project for the City of Key West. In addition, a representative of the firm currently lives and works in Key West.

Our extensive work with counties and municipalities has given us experience in a wide variety of projects. Our utility experience includes extensive water, sewer and force main expansion as well as pump station design, treatment plant expansion and rehabilitation. Our drainage experience varies from numerous local drainage improvement projects to vast regional drainage studies and master plans. Additional engineering experience includes numerous roadway improvements including widenings, reconstruction, drainage upgrades, and signalized intersections, as well as major highway and interchange work. We also have extensive experience in governmental and recreational facilities such as fire stations, maintenance facilities, community centers, active and passive parks, marinas, aquatic facilities, sensitive wetlands boardwalk parks, and gymnasiums. Our vast experience has also allowed us to perform more advanced consulting services beyond fundamental design and include rate studies, I/I investigations & studies, infrastructure modeling, CIP Programming, NPDES programs, drainage master planning, code evaluations, grant acquisition, public information, etc., which have all been provided for various governmental agencies.

Our experience derives from having worked throughout Florida, knowing the local construction markets, and the regulatory agencies that permit the projects. One of the main goals of our firm is to establish good working relationships within the communities that we service. In providing professional services to local communities, we offer our knowledge of the construction and regulatory environment, our commitment to providing excellent service to each project, and our experience with the local conditions.

Ramon Castella, PE, LEED AP will be the Principal in Charge and Sean Compel, PE, LEED AP will be the Project/Client Manager for this contract. Ramon is legally authorized to negotiate and execute the contract on behalf of our firm, as well as make representations for our firm during the evaluation phase. Ramon can be reached via email at [ramon.castella@stantec.com](mailto:ramon.castella@stantec.com), or at the Coral Gables office via phone at 305.445.2900. Ramon and Sean are both extremely familiar with continuing professional services contracts and have a true understanding of what it takes to exceed the City's goals. They have both personally worked on City of Key West projects for the past 5 years and continue to work on City assignments today. Additionally, we have assigned personnel from all of our departments to be available as needed for the City. Sean will act as a single point of contact to ensure that the right personnel are assigned to the project and have the resources necessary to be successful. Sean can be reached via email at [sean.compel@stantec.com](mailto:sean.compel@stantec.com). Our submittal shows a wide variety of professionals available to be assigned to respond to the City's needs. We encourage you to review the submittal to see the wide range of expertise that Stantec brings to the City and we ensure that all the information submitted is complete and accurate. The City may also contact any of our previous clients, as we have a great relationship with them.

We thank you for the opportunity to submit this proposal. Our team has the commitment, expertise, and capacity to deliver multiple complex projects at the same time. We see this as an opportunity to continue a long-term relationship and commitment to the City of Key West. You have our personal assurance that your projects will receive the energy and attention they deserve.

Respectfully,



Ramon Castella, PE, LEED AP  
Vice President



Achievement at every level begins and ends with a firm commitment to being the best we can be.



# Company Profile

City of Key West  
General Engineering Services

RFQ # 17-002





# Company Profile

## Who we are

We're active members of the communities we serve. That's why at Stantec, we always design with community in mind.

Stantec, founded in 1954, provides professional consulting services in planning, engineering, architecture, interior design, landscape architecture, surveying, geotechnical, environmental sciences, project management, and project economics for infrastructure and facilities projects. Continually striving to balance economic, environmental, and social responsibilities, we are recognized as a world-class leader and innovator in the delivery of sustainable solutions. We support public and private sector clients in a diverse range of markets at every stage, from the initial conceptualization and financial feasibility study to project completion and beyond.

Stantec has over 22,000 people in more than 400 locations firmwide. With 200 offices and 7,600+ people in the US alone, chances are there's a Stantec presence right where you need us to be. More specifically, we have 18 offices within the State of Florida including our local Coral Gables office to aid in this contract. Stantec's strong commitment to client satisfaction is the foundation of our service to you. We have a long history of serving municipal and county government clients throughout the state.

Stantec is familiar and comfortable with providing services for any type of project - be it big or small; our group is deliberately configured to be flexible and adaptable for a variety of client requirements. Since 1954, our local strength, knowledge, and relationships have allowed us to go anywhere to meet our clients' needs in more creative and personalized ways. With a long-term commitment to the people and places we serve, Stantec has the unique ability to connect to projects on a personal level and advance the quality of life in communities across the globe.

We believe Stantec presents a team second to none in terms of the depth of local (and global) resources available, understanding of the requirements of this exciting contract, the technical expertise and management team to deliver successful projects on time and within budget, but also understanding and working with the City of Key West including residents and stakeholders. This is our home and we are proud of our track record in working closely with local municipalities for the upgrade, expansion, and preservation of our community's infrastructure.

Stantec was founded in Edmonton, Alberta where it is still headquartered today. Stantec's principal office for its U.S. operations is located in New York, New York.

- Stantec headquarters: 10160 – 112th Street, Edmonton, AB T5K 2L6; Tel: (780) 917-7000
- Stantec principal office: 50 West 23rd Street 8th Floor, New York, NY 10010; Tel: (212) 366-5600
- President: Robert Gomes; [Vice President: Ramon Castella, PE](#); [see attached pages for a complete list of Stantec's Officers and Vice Presidents](#); Secretary: Jennifer Addison; Treasurer: Dan Lafaire

At Stantec we are passionate about the design quality of the built environment. We create designs that are timeless, intelligent, and sustainable. We work collaboratively, matching knowledge and experience to client and community goals. Our practice extends from macro to micro—from master planning to architectural and interior design—throughout the life cycle of a project. Our team enjoys a reputation for creating high-performance, fiscally responsible, and award-winning projects.

Stantec is consistently ranked amongst leading national and internationally recognized firms, as described by various publications as well as professional and peer organizations. The following rankings denote our position by the Engineering News Record (ENR) in April, 2016.

- #18** Top 500 Design Firms
- #10** Top 20 Design Firms - General Buildings
- #10** Top 20 Design Firms - Water
- #11** Top 20 Design Firms – Transportation

# +125

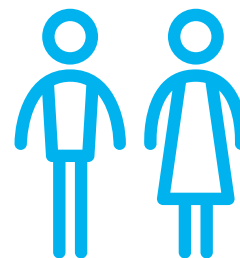
Awards our team has received for projects ranging from public engagement to urban design, landscape architecture, and neighborhood planning.

Acquisition growth remains an efficient way for us to expand our services, cross-sell to clients and obtain top-tier positioning. Our strength and competitive advantage is our proven ability to find, acquire, and integrate specialty or regionally strong consulting firms. Many of these companies—like so many we have acquired over the years—started as one-person operations, just like Stantec did, and they have built reputations for excellence in their regions and become strong members of their communities.

We have welcomed and successfully integrated over 90 acquisitions since 2000, and we look forward to deepening and building on the relationships they have created, both locally and globally.

Locally, the firms of Corzo Castella Carballo Thompson Salman, PA (A/E Services in Coral Gables, FL) came on board in 2012, and ADD, Inc. (Architecture & Interior Design in Miami, FL) became part of Stantec in 2014.

Our highly-skilled personnel are specialists who not only look at what to do, but why, so that decisions are made in an informed environment. Our team is comprised of experts in their field, able and ready to work on this project right away. Stantec is committed to utilizing state-of-the-art technology to ensure that our clients receive the most innovative and creative design solutions. This strategy keeps our designers at the forefront of the industry, leading by example rather than following the lead of others.



**We are driven to foster a culture of sustainability, both within our Company and through the services we provide to our clients.**



## Complete list of Stantec's Officers and Vice Presidents

### DIRECTORS OF

## STANTEC CONSULTING SERVICES INC.

<u>NAME</u>	<u>BUSINESS ADDRESS</u>
Richard K. Allen	226 Causeway Street, 6 <sup>th</sup> Floor, Boston, MA 02114-2171
Jeffrey P. Stone	61 Commercial Street, Rochester, NY 14614

<u>POSITION HELD</u>	<u>NAME</u>	<u>BUSINESS ADDRESS</u>
President	Robert J. Gomes	200, 10160 - 112 Street, Edmonton AB T5K 2L6
Executive Vice President & COO	Richard K. Allen	226 Causeway Street, 6th Floor, Boston, Boston MA 02114-2171
Executive Vice President	W. Paul Allen	49 Frederick Street, Kitchener ON N2H 6M7
Executive Vice President	Carl Clayton	200, 10160 - 112 Street, Edmonton AB T5K 2L6
Executive Vice President	Valentino DiManno	200, 325 - 25th Street SE, Calgary AB T2A 7H8
Executive Vice President	Scott L. Murray	1409 North Forbes Road, Lexington KY 40511-2024
Executive Vice President	Eric Nielsen	38 Technology Drive, Suite 100, Irvine CA 92618-5312
Executive Vice President	Stanis I.R. Smith	1100, 111 Dunsmuir Street, Vancouver BC V6B 6A3
Senior Vice President & CEO - Eng.	Brian Larson	111 Grant Ave, Suite 201, Endicott NY 13760
Senior Vice President & CIO	Chris McDonald	10160 - 112 Street, Edmonton AB T5K 2L6
Senior Vice President	John Adams	130 Somerset Street, Saint John NB E2K 2X4
Senior Vice President	Paul J.D. Alpern	200, 10160 - 112 Street, Edmonton AB T5K 2L6
Senior Vice President	Donald W. Armour, Jr.	1409 North Forbes Road, Lexington KY 40511-2024
Senior Vice President	Jamie Bagan	10160 - 112 Street, Edmonton AB T5K 2L6
Senior Vice President	Donald R. Belliveau	845 Prospect Street, Fredericton NB E3B 2T7
Senior Vice President	Leonard Castro	200, 325 - 25th Street SE, Calgary AB T2A 7H8
Senior Vice President	Reno Fiorante	13401 - 108 Avenue, 10th Floor, Surrey BC V3T 5T3
Senior Vice President	Steve Fleck	1100, 111 Dunsmuir Street, Vancouver BC V6B 6A3
Senior Vice President	Anton Germishuizen	1500 Spring Garden, Suite 1100, Philadelphia PA 19130
Senior Vice President	Isabelle Jodoin	1060, rue University, Bureau 600, Montreal QC V5C 6A8
Senior Vice President	Gord Johnston	200, 325 - 25 Street SE, Calgary AB T2A 7H8
Senior Vice President	Mike A. Kennedy	6900 Professional Parkway East, Sarasota FL 34240-8414
Senior Vice President	Maurice Leger	400, 1331 Clyde Avenue, Ottawa ON K2C 3G4
Senior Vice President	John P. Lortie	30 Park Drive, Topsham ME 04086
Senior Vice President	Luigi Mancinelli	100, 401 Wellington Street, Toronto ON M5V 1E7
Senior Vice President	Kirk Morrison	200, 37 Quarry Park Blvd SE, Calgary AB T2C 5H9
Senior Vice President	Dean Palumbo	38 Technology Drive, Suite 100, Irvine CA 92618-5312
Senior Vice President	Peter Salusbury	1100, 111 Dunsmuir Street, Vancouver BC V6B 6A3
Senior Vice President	Robert Seager	600, 805 - 8 <sup>th</sup> Avenue SW, Calgary AB T2P 1H7
Senior Vice President	William F. Shelley	482 Payne Road, Scarborough Court, Scarborough ME 04074-8929
Senior Vice President	Keith Shillington	10160 - 112 Street, Edmonton AB T5K 2L6
Senior Vice President	Emree Siaroff	401 Wellington Street, Suite 100, Toronto ON M5V 1E7
Senior Vice President	Russ Wlad	1100, 4900 - 50 Street, Red Deer AB T4N 1X7
Senior Vice President	Robert A. Wood	1100, 111 Dunsmuir Street, Vancouver BC V6B 6A3
Vice President	Frank Aceto	1060 Andrew Drive, Suite 140, West Chester PA 19380
Vice President	Dave Bennett	3875 Atherton Road, Rocklin CA 95765
Vice President	Daniel Bernstein	5500 Ming Avenue, Suite 400, Bakersfield CA 93309-9119
Vice President	Walter Brandhuber	38 Technology Drive, Suite 100
Vice President	John Brock	400 Morgan Center, 101 East Diamond Street, Butler PA 16001
Vice President	Robert T. Carballo	901 Ponce de Leon Boulevard, Suite 900, Coral Gables FL 33134-3070
Vice President	Ramon Castella	901 Ponce de Leon Boulevard, Suite 900, Coral Gables FL 33134-3070
Vice President	Curt Chapman	6980 Sierra Center Parkway, Suite 200, Reno NV 89511-2279
Vice President	Annie Coull	100 California Street, Suite 100, San Francisco CA 94111-4505
Vice President	Don Craig	226 Causeway Street, 6th Floor, Boston MA 02114-2171
Vice President	Donald Del Nero	3160 Main Street, Suite 100, Duluth GA 30096-3262

## Complete list of Stantec's Officers and Vice Presidents

<u>POSITION HELD</u>	<u>NAME</u>	<u>BUSINESS ADDRESS</u>
Vice President	Fermin A. Diaz	3200 Bailey Lane, Suite 200, Naples FL 34105
Vice President	James Eastwood	1500 Spring Garden, Suite 1100, Philadelphia PA 19130
Vice President	Joseph Geller	226 Causeway Street, 6th Floor, Boston MA 02114-2171
Vice President	Kelly J. Gerry	214 Expo Circle Suite 1, West Monroe LA 71292-9497
Vice President	Arthur J. Hadnett	6320 Canoga Avenue, Suite 200, Woodland Hills CA 91367-7745
Vice President	Douglas J. Johnson	38 Technology Drive, Suite 100, Irvine CA 92618-5312
Vice President	Donna L. Jones	5500 Ming Avenue, Suite 400, Bakersfield CA 93309-9119
Vice President	Paul R. Koch	801 Jones Franklin Road, Suite 300, Raleigh NC 27606-3394
Vice President	Bruce Knepper	400 Morgan Center, 101 East Diamond Street, Butler PA 16001
Vice President	Frederick A. Kramer	311 Summer Street, Boston MA 02210
Vice President	Dave Lamontagne	1500 Spring Garden, Suite 1100, Philadelphia PA 19130
Vice President	Guy H. Le Patourel	5172 Station Way, Sarasota FL 34233
Vice President	Stuart E. Lerner	50 West 23 Street, 8th Floor, New York NY 10010-5272
Vice President	Larry Lightfoot	200, 37 Quarry Park Blvd SE, Calgary AB T2C 5H9
Vice President	David Linamen	400 Morgan Center, 101 East Diamond Street, Butler PA 16001
Vice President	John S. Montgomery	1409 North Forbes Road, Lexington KY 40511-2024
Vice President	Bjorn Morisbak	200, 10160 - 112 Street, #200, Edmonton AB T5K 2L6
Vice President	Dean Mullin	340, 1200 - 59 Avenue SE, Calgary AB T2H 2M4
Vice President	Robert Mullins	1509 Timberwood Circle, Suite 100, Louisville KY 40223-5301
Vice President	Dennis J. O'Brien	365 West Passaic Street, Suite 175, Rochelle Park NJ 07662
Vice President	Simon P. O'Byrne	10160 - 112 Street, Edmonton AB T5K 2L6
Vice President	Troy Peoples	801 Jones Franklin Road, Suite 300, Raleigh NC 27606
Vice President	Michael Reagan	3700 Park East Drive, Suite 200, Cleveland OH 44122
Vice President	Alan D. Reynolds	3200 Bailey Lane, Suite 200, Naples FL 34105
Vice President	Todd Rhoads	1201 J St Studio 100, Sacramento CA 95814
Vice President	Ryan Roberts	200, 325 - 25 Street SE, Calgary AB T2A 7H8
Vice President	Alfonso Rodriguez	3017 Kilgore Road, Suite 100, Rancho Cordova CA 95670-6150
Vice President	Eiliya H. Sabbagh	1500 Lake Shore Drive, Suite 100, Columbus OH 43204-3800
Vice President	Robert A. Simm	8211 South 48 <sup>th</sup> Street, Phoenix AZ 85044
Vice President	Marjorie K. Simmons	2338 Coolidge Highway, Berkley MI 48072-1500
Vice President	Scott Storlid	209 Commerce Parkway, PO Box 128 Cottage Grove WI 53527
Vice President	John Take	5151 E Broadway Blvd, Suite 400, Tucson AZ 85711-3712
Vice President	Mehmet B. Tin	1500 Lake Shore Dr, Suite 100, Columbus, OH 43204-3800
Vice President	Alexander (Sandy) Watson	1438 West Broadway Road, Suite 101, Tempe AZ 85282
Senior Principal	Keith Morrow	3200 Bailey Lane, Suite 200, Naples FL 34105
Principal	Robert R. Cunningham	6900 Professional Parkway East, Sarasota FL 34240-8414
Manager	Robert J. Sands	1500 Lake Shore Drive, Suite 100, Columbus OH 43204-3800
Project Manager & CEO - Surveying	Rodger Kelly	50 West 23 Street, 8th Floor, New York NY 10010-5272
Right of Way Officer	Linda Brown	3717 - 23 Street South, Saint Cloud MN 56301-5094
Right of Way Officer	Geraldine V. Webb	10800 Midlothian Turnpike, Suite 310, Richmond VA 23235-4725
Assistant General Counsel	Kenna Houncaren	200, 10160 - 112 Street, Edmonton AB T5K 2L6
Senior Counsel	Jennifer A.I. Addison	200, 10160 - 112 Street, Edmonton AB T5K 2L6
Senior Counsel	Jeffrey P. Stone	61 Commercial Street, Suite 100, Rochester NY 14614-1009
Corporate Counsel	Cate Bernardo	8160 South Highland Drive, Suite A4, Sandy UT 84093-7402
Corporate Counsel	William A. Butler	11130 NE 33rd Place, Suite 200, Bellevue WA 98004-1465
Corporate Counsel	William J. Edwards	5 Dartmouth Drive, Suite 101, Auburn NH 03032
Corporate Counsel	Christopher O. Heisler	200, 10160 - 112 Street, Edmonton AB T5K 2L6
Corporate Counsel	Katharine LaFrance	200, 10160 - 112 Street, Edmonton AB T5K 2L6
Corporate Counsel	Christy J. Leonard	2000 South Colorado Blvd, Suite 2-300, Denver CO 80222
Corporate Counsel	Robert Ray	400 Morgan Center, 101 East Diamond Street, Butler PA 16001
Secretary	Kenna Houncaren	200, 10160 - 112 Street, Edmonton AB T5K 2L6
Assistant Secretary	Jeffrey P. Stone	61 Commercial Street, Suite 100, Rochester NY 14614-1009



# Identification of the Team

City of Key West  
General Engineering Services

RFQ # 17-002



# Identification of the Team

## Team

- Consultant
- Subconsultant



We bring smart, creative, inspired people together.





OUR TEAM			
Key Individual Name & Job Classification	Total Years of Experience	% of Availability	Location
<b>Stantec Consulting Services Inc.</b>			
Sean Compel, PE, LEED AP, Project/Client Manager	15	70%	Coral Gables, FL
Ramon Castella, PE, LEED AP, Principal in Charge	32	35%	Coral Gables, FL
Jeffrey Crews, PE, LEED AP, QA/QC Officer	29	45%	Coral Gables, FL
Thomas A. Charette, Local Representative/Const. Manager	30	70%	Sugarloaf Key, FL
Terrance Glunt, PE, LEED AP, Senior Marina Engineer	39	35%	Coral Gables, FL
Manuel Solaun, PE, Senior Structural Engineer	44	30%	Coral Gables, FL
Carlos Herdocia, PE, LEED AP, Senior Roadway Engineer	29	55%	Coral Gables, FL
Marlon Medina, PE, CFM, Project Engineer	9	60%	Coral Gables, FL
Juan Restrepo, PE, Project Engineer	18	25%	Coral Gables, FL
Rodrigo Rodriguez, PE, Senior Engineer	43	30%	Coral Gables, FL
Pablo Garcia, PE, Senior Engineer	7	60%	Coral Gables, FL
Jeffry Marcus, PhD, Senior Environmental Scientist	33	55%	Coral Gables, FL
Matthew Starr, Coastal / Geologist Specialist	11	45%	Coral Gables, FL
Edward Dvorak, PE, CCS, Senior Utility Engineer	46	50%	Coral Gables, FL
Dave Clarke, PE, CFM, Utility Engineer	15	40%	Coral Gables, FL
Elvira Freire, AIA, LEED AP, Senior Architect	22	25%	Coral Gables, FL
Scott Buttari, ASLA, LEED AP	18	35%	Coral Gables, FL
Adam Markle, ASLA, CLARB, LEED AP	12	45%	Coral Gables, FL
Edwin Martinez, PE, Electrical Engineer	7	30%	Coral Gables, FL
Andy Alexander, Senior Inspector	14	70%	Coral Gables, FL
Fernando Vargas, Senior Inspector	12	70%	Coral Gables, FL
<b>Florida Keys Land Surveying, LLC (Surveying and Mapping)</b>			
Matthew Blomberg, Senior Surveyor	21	55%	Sugarloaf Key, FL
Eric Isaacs, PSM, PLS, Senior Surveyor	19	50%	Sugarloaf Key, FL
<b>Nutting Engineers of Florida, Inc. (Geotechnical Engineering)</b>			
Richard Wohlfarth, PE, Senior Geotechnical Engineer	28	45%	Miami, FL
Scott Ersland, Geotechnical Specialist	17	45%	Miami, FL
<b>Terramar Environmental Services, Inc. (Environmental Permitting)</b>			
Philip Frank, Senior Environmental Scientist	33	50%	Summer Land Key, FL
Rowena Garcia, Senior Environmental Scientist	25	50%	Summer Land Key, FL



Strong, long-lasting relationships directly impact the success of our employees, clients, projects, and communities.

TEAM EXPERIENCE																
Key Personnel	Civil Engineering	Utility Engineering	Solid Waste Engineering	Coastal Engineering	Structural Engineering	Planning	Surveying	Landscape and Irrigation	Environmental Assessments	Contract Specifications	Docks, Marinas, Seawall, and Bridges	Erosion Control, Beach Design & re-nourishment	LEED Certified	Owner Representation	Permitting	Const. Admin.
<b>Stantec Consulting Services Inc.</b>																
Ramon Castella, PE, LEED AP	✓	✓	✓	✓	✓	✓				✓	✓		✓	✓	✓	✓
Sean Compel, PE, LEED AP	✓	✓	✓	✓	✓	✓				✓	✓		✓	✓	✓	✓
Jeffrey Crews, PE, LEED AP	✓	✓		✓	✓					✓	✓		✓	✓	✓	✓
Thomas A. Charette				✓	✓									✓	✓	✓
Terrance Glunt, PE, LEED AP	✓	✓		✓	✓					✓	✓		✓	✓	✓	✓
Manuel Solaun, PE					✓					✓	✓				✓	✓
Carlos Herdocia, PE, LEED AP	✓	✓		✓		✓				✓	✓		✓		✓	✓
Marlon Medina, PE, CFM	✓	✓								✓	✓				✓	✓
Juan Restrepo, PE	✓	✓								✓					✓	✓
Rodrigo Rodriguez, PE	✓	✓	✓							✓	✓			✓	✓	✓
Pablo Garcia, PE					✓					✓	✓				✓	✓
Jeffry Marcus, PhD			✓						✓	✓		✓			✓	✓
Matthew Starr			✓						✓	✓	✓	✓			✓	✓
Edward Dvorak, PE, CCS	✓	✓								✓	✓				✓	✓
Dave Clarke, PE, CFM	✓	✓								✓					✓	✓
Elvira Freire, AIA, LEED AP						✓				✓	✓		✓		✓	✓
Scott Buttari, ASLA, LEED AP						✓		✓					✓			
Adam Markle, ASLA, CLARB						✓		✓					✓			
Edwin Martinez, PE		✓								✓					✓	✓
Andy Alexander	✓				✓					✓					✓	✓
Fernando Vargas	✓				✓					✓					✓	✓
<b>Florida Keys Land Surveying, LLC</b>																
Matthew Blomberg							✓									
Eric Isaacs, PSM, PLS							✓									
<b>Nutting Engineers of Florida, Inc.</b>																
Richard Wohlfarth, PE									✓							
Scott Ersland									✓							
<b>Terramar Environmental Services, Inc.</b>																
Philip Frank									✓						✓	
Rowena Garcia									✓						✓	



# Key Personnel Expertise

City of Key West  
General Engineering Services

RFQ # 17-002



# Key Personnel Expertise

We bring creative, inspired people, across multiple disciplines together and create a talented pool of subject specialists who truly understand the project and it's significance to the City, community, and stakeholders.

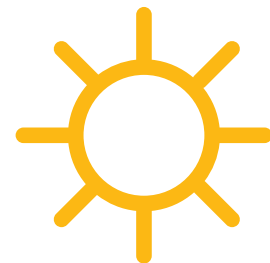
We believe in using the best people available for the job at hand and that is why we have a team that blends:

- A responsive project management team. We see ourselves as partners with the City and this requires a dedicated project manager who knows and understands the challenges that the City faces first hand.
- A team of professionals with breadth and depth of applicable experience. It is important that the City gain from the experiences of their selected consultants. Our team has analyzed several systems from many different perspectives and it is important that we make that institutional knowledge available to the City.

We have been careful to select team members that are:

- Right for this project
- Available to start immediately
- Dedicated in their effort and enthusiasm to produce the best possible outcome

Please see our resumes attached to support each individual's selection for this team. Professional licenses and certifications are referenced in applicable resumes.



**We help communities understand the context, schedule, and impacts of improvements.**

# Sean Compel, PE, LEED AP

## Project/Client Manager

Sean has over 15 years of experience in the planning, design, permitting and construction of civil engineering and site development projects. He has served as project construction administrator and project engineer for various roadway, drainage, water, sewer, underground electrical, and industrial projects. Clients include municipalities, state agencies, educational facilities, and private businesses. His experience in construction services has allowed him to effectively deliver projects satisfying all owner requirements. Responsibilities during construction include permitting, review of scheduling, and overall cost analysis.

### Education

Bachelor of Science  
in Civil Engineering,  
University of Miami,  
Miami, Florida, 2002

### Registrations

Professional Engineer  
#66618, State of Florida

LEED Accredited  
Professional, U.S.  
Green Building Council

### Select project experience

- **Key West Bight Floating Docks, Key West, Florida** - Project Manager for components related to a new 200' floating dock with 10 new boat slips located at the east end of the Key West Bight Marina. Scope of the design included new utility pedestals with power and water connections for marina patrons, fire protection, new electrical, water and sewer connections, and a vacuum type wastewater pump out station. The utility connections were coordinated with the local wastewater and power authorities to verify capacity and appropriate connection points. The floating dock utilized epoxy coated steel piles and a connecting ADA accessible ramp attached to an existing pier.
- **29th Street Bridge Repairs, Miami Beach, Florida** - Construction Administrator for various structural repairs completed, which included spalling, cracking, and delineations. The heavily deteriorated beams, bents, and deck underside were fully rehabilitated. The bridge was fully operational during the entire duration of the project, and delivered ahead of schedule and within budget.
- **Pelican Harbor Marina Repairs and Utility Upgrades, Miami, Florida** - Construction Administrator for this much-needed project to provide various upgrades to this public marina. Watermain, electrical, and fire protection piping were all replaced due to heavy corrosion and deterioration. New utility pedestals were installed to allow each slip to access water and electrical hook ups. New lighting was installed at the fuel dock, a very busy area at this marina. Extensive structural repairs to the existing pile caps were also completed and the deck of Pier A was completely replaced with prestressed double tees. The work was all completed while the marina remained open and operational. The success of this project was made possible with help from the dock master to move boats as work was completed in 4 phases. Miami Dade Parks was very happy with the completion of this project.
- **Campground Sanitary Sewer Collection System & Electrical System Refurbishment at John Pennekamp Coral Reef State Park, Key Largo, Florida** - Project Engineer and Construction Administrator for this project. The John Pennekamp Coral Reef State Park provides visitors with a gateway to the natural world. To keep this environment pristine and accessible for visitors, we constructed a sanitary sewer collection system and access roadway to service the 47-site campground. During the limited time frame during the off-peak park operations, we constructed a sewer collection system consisted of approximately 1,000 linear feet of 8" gravity sewer lines, six concrete manholes and the associated service laterals to each campsite. The lift station provided a deeper wet well as needed to accommodate the new campground collection system. We reconfigured the station electrical and piping to the new wet well layout. The electrical system refurbishment consisted of troubleshooting the recurring chronic line shorting and voltage drops, and determining which electrical wiring runs conduits, and service panels need to be replaced. Additionally, we investigated the engineering of the various existing sanitary sewer systems at the park, and of the existing and proposed adjacent Key Largo Wastewater Treatment District (KLWTD) Collection and Transmission Facilities. Our company evaluated the hydraulic capacity and loading for Pennekamp SP Lift Station No. 1.
- **William H. Kerdyk Tennis Center at Biltmore Hotel, Coral Gables, Florida** - Construction Administrator for this project involves renovation and improvements to the existing Kerdyk Tennis



Center next to the Biltmore Hotel. Stantec completed final construction documents and permitting for the following scope of work: parking lot reconstruction including new curbing, new monument sign, site lighting, irrigation, landscaping, electrical enclosure, decorative concrete walkway, a crosswalk on Anastasia Avenue, new fencing, tennis court resurfacing and re-striping including new nets, and new stadium style lighting for the courts. A second phase of improvements is in the planning stages and will involve a new or renovation building to serve the facility.

- **Palm and Hibiscus Islands, Miami Beach, FL** - Construction Administrator for this project for which Stantec served as Design Criteria Professional and Resident Project Representative for this design/build project which involves complete infrastructure reconstruction with primary goals including beautification and combatting the effects of sea level rise. Scope of work includes watermain and water service replacement, rehabilitation of the existing gravity sanitary sewer line and manholes, complete stormwater infrastructure improvements, roadway reconstruction including raising roads where possible and harmonization to properties, concrete work including sidewalks, the undergrounding of overhead utilities for Florida Power & Light (FPL), AT&T, and Atlantic Broadband, and landscaping. The stormwater systems include a primary and secondary gravity collection system and large pump stations to discharge into Biscayne Bay. Environmental controls during construction and all maintenance of traffic had to be carefully monitored at all times. Close coordination with City staff and homeowners is most important to ensure impact to residents is minimized.
- **Palmetto Bay Drainage Improvements, Palmetto Bay, FL** - Project Engineer and Construction Administrator for the field surveying, design, permitting, bidding, and construction of drainage improvements at various locations throughout the Village. The Village's stormwater master plan identified and prioritized areas with flooding problems. Many areas had no existing drainage. Each phase of construction included the installation of drainage structures, exfiltration trenches, connections to the existing system, and associated restoration. All three phases of work were completed on schedule and under budget.
- **Caribbean Boulevard Roadway Improvements, Cutler Bay, Florida** - Construction Administrator for this award winning project which greatly enhanced Caribbean Boulevard from Coral Sea Road to SW 87th Avenue. This Joint Participation Agreement between Miami-Dade County and the Town of Cutler Bay accomplished several important goals including pedestrian safety, traffic calming, improved traffic flow and overall beautification. This involved full roadway reconstruction improvements including pavement reconstruction, new curb and gutter, new sidewalks, two new traffic circles, continuous drainage system, new medians, an entrance sign, custom bus shelters, bus bays, street furniture, landscaping, and decorative roadway lighting. This portion of Caribbean Boulevard is primarily residential and is considered a collector roadway.
- **Indian Creek Village Entrance Improvements, Indian Creek, FL** - Construction Administrator for the implementation of the first phase of the Master Plan. The plan identified critical concerns and built consensus among the Council Members and residents of the Village with respect to project scope and key design elements of proposed improvements and enhancements. These improvements include reconfiguration of the Village the entrance by tightening the corner radii, expanding the landscaped corners on either side, creating an oval landscaped island, and historically restoring of the existing Gate House. The main roadway into the Village will also be reconfigured by narrowing the travel lanes to 12-feet, introducing of a center landscaped median, and a 5 ft. wide sidewalk for pedestrian and traffic safety.
- **Old Cutler Road Improvements (SW 97th Avenue to SW 87th Avenue), Cutler Bay, Florida** - Project Engineer and Construction Administrator for this project. This award winning project greatly enhanced Old Cutler Road between SW 97th Avenue and SW 87th Avenue. This Joint Participation Agreement (JPA) with Miami-Dade County successfully accomplished several project goals including pedestrian safety, traffic calming, improved traffic flow and beautification. Project elements included two traffic circles, pavement reconstruction, curb and gutter, new sidewalks, a shared use path, medians, continuous drainage system, medians, signalization upgrades, crosswalks, landscaping, irrigation, lighting, and several site amenities. Amenities included new bus shelters specifically designed for a unique Town feel, site furniture, creation of a park area with rare native plant species provided by Fairchild Tropical Gardens, state historic designation markers, and an electronic message board. This designated historic roadway which required all improvements to respect the existing footprint, thus limiting the modification and/or additional widening of the road. This Miami-Dade County roadway is considered an arterial collector and the proposed configuration for Old Cutler Road included roundabouts at each end of the corridor for traffic calming and beautification. The 1.24 mile corridor between these two roundabouts is a two lane roadway with turn lanes, landscape medians and scramble lanes. Permitting included Miami-Dade County Public Works DERM, and the Town of Cutler Bay. The project received the "Project of the Year, Category I" award.

# Ramon Castella, PE, LEED AP

## Principal in Charge

Ramon has over 32 years of expertise in public and private infrastructure projects throughout Florida and the Caribbean. His engineering experience on these projects includes programming, planning, analysis, design, preparation of construction documents, construction administration and inspection and commissioning. His public works infrastructure project types include drainage, flood control, coastal construction, water and sewer systems, roads and bridges, public facilities, parks, project budgeting and grants acquisition.

### Education

Bachelor of Science in Civil Engineering, Florida International University, Miami, Florida, 1985

### Registrations

Professional Engineer #40073, State of Florida

Professional Engineer #11731, Commonwealth of Puerto Rico (Estado Libre Asociado de Puerto Rico)

LEED Accredited Professional, U.S. Green Building Council

### Select project experience

- **Marine Max Facility at Ocean Reef Club, Key Largo, Florida** - Principal in Charge for the engineering design, permitting and construction administration for the replacement of 350 linear feet of failing concrete T-pile and panel seawall with a cantilevered steel sheet pile wall. The project included the rehabilitation of floating dock units with 24 slips – including new concrete piles, pile guides and PT timber whalers. The project also included the reconstruction of a reinforced boat-forklift platform, and new electrical and water system with Marina Power seawall-mounted pedestals.
- **Crandon Park Marina Reconstruction - Phase I, Miami-Dade County, Florida** - Project Manager in charge of design services and construction inspections for this Dade County Park & Recreation's Flagship Marina. Four of the existing piers shall be replaced with floating docks, new utility services are being provided for these piers and four future replacement piers, bulkhead rehabilitation, maintenance dredging, and replacement of eight boat ramp finger piers.
- **Matheson Hammock Park Marina Reconstruction, Miami-Dade County, Florida** - Project Manager in charge of design services and construction inspections for this Dade County Park & Recreation's Flagship Marina under a Design Build. Six of the existing piers shall be replaced with floating docks, new utility services are being provided for these piers, bulkhead rehabilitation, maintenance dredging, and replacement of eight boat ramp finger piers.
- **Old Cutler Road (SW 97-87Ave), Cutler Bay, Florida** – Principal in Charge responsible for the design improvements for the portion of Old Cutler Road between SW 97th Avenue and SW 87th Avenue. The project consists of roadway improvements, traffic circles, pavement resurfacing, sidewalks, drainage facilities, medians, landscaping and lighting. Old Cutler Road is designated a historic roadway which required all improvements to respect the existing roadway footprint, thus limiting the modification and/or additional widening of the road. This Miami-Dade County roadway is considered an arterial collector roadway. The proposed configuration for Old Cutler Road will include roundabouts at each end of the corridor for traffic calming and beautification. The 1.24 mile corridor between these two roundabouts will be a two lane roadway with turn lanes, landscape medians and scramble lanes. Permitting including Miami-Dade County Public Works DERM and Town of Cutler Bay.
- **Caribbean Blvd. (Coral Sea Rd. to SW 87Ave.), Cutler Bay, Florida** - Principal in Charge of design improvements for the portion of Caribbean Blvd. between Coral Sea Road and SW 87th Avenue. The project consists of roadway improvements, two (2) traffic circles, pavement reconstruction, curbwork, sidewalks, drainage facilities, medians, turn lanes, landscaping and roadway lighting. This portion of Caribbean Blvd. is primarily a residential road. This Miami-Dade County roadway is considered a collector roadway. The proposed configuration for Caribbean Blvd. will include roundabouts at Gulf Stream Rd. and SW 192 Dr. for traffic calming and beautification. The corridor will be a two lane roadway with turn lanes, landscape medians and traffic calming splitter islands where plausible. Permitting including Miami-Dade County Public Works, DERM and Town of Cutler Bay.
- **Palmetto Bay Drainage Improvements, Palmetto Bay, Florida** - Principal in Charge for this project that involved field surveying, design, permitting, bidding, and construction administration of drainage improvements at 10 locations throughout the Village. These 10 areas were identified by the

Village as having flooding problems. The improvements included new drainage structures, exfiltration trenches, outfalls, and asphalt overlays. The project was completed on schedule and under budget.

- **Design & Construction Services for John F. Kennedy Causeway Redevelopment, North Bay Village, Florida** - Principal in Charge for this project that involves the design and construction services for the redevelopment of the John F. Kennedy Causeway. The project will be implemented in several phases. Phase I will be the landscape design and construction of street beautification improvements to the western end of the Causeway. While this phase is being implemented, a conceptual master plan shall be prepared to address the complete beautification and redevelopment program for Kennedy Causeway which includes the roadway, adjacent business district, and the waterfront.
- **Sunset Drive Improvements (West of US 1), South Miami, Florida** - Principal in Charge for this master planning project involving the development of conceptual streetscape and infrastructure improvements along Sunset Drive from the western city limits to US 1. These include delineating intersections with concrete pavers and crosswalks, redefining roadway sections, and providing new lighting and landscape design to increase public safety and appeal. In addition, a new architectural site plan for City Hall was designed incorporating surrounding public spaces and facilities to create an enhanced civic and community space. The master plan was developed substantially in accordance with the City's Hometown Plan Area 2, and evaluated proposed improvements with respect to their feasibility, cost/benefit, design, and construction. In addition, the firm held three public workshops to collect public opinions and suggestions, and ensured the Master Plan was reflective of, and sensitive to the community.
- **Belle Meade Stormwater Pump Station and Drainage Improvements, Miami, FL** - Principal in Charge of the civil portion of this \$8 million project which consisted of the design and permitting of a drainage and streetscape improvement project encompassing several miles of road in a developed flood-prone neighborhood providing quality treatment through the use of exfiltration trenches and storm water treatment units and discharging through a large stormwater pump station to the Little River Canal. Permitting included pre/post computer modeling and stage calculation for Miami-Dade's Class II Surface Water Management Permit.
- **Sunset Drive Streetscape Improvements, South Miami, Florida** - Principal in charge for the civil engineering, construction feasibility and cost estimating for this project which included architectural and engineering, as well as construction administration services, for a streetscape / traffic calming project in the heart of the city's downtown district.
- **Crandon Boulevard Master Plan, Key Biscayne, Florida** - Principal in Charge of design for this project that takes an existing suburban style highway and transforms it into a center of community activities. By promoting the safe and secure transit of all types of vehicles and pedestrians, this CPTED-friendly design also serves to create a source of identity for the community connecting retail, residential, public parks and government facilities into a cohesive design. The project consisted of a master plan that encompassed the design for a 4-lane divided road, improved public safety, easing of traffic congestion, traffic calming, pedestrianization, improved mass transit, streetscape improvements, sidewalks, lighting, and a roundabout. This project, divided into three phases, will provide the Village with a reference for the traffic and public safety impacts of future development or redevelopment of properties fronting Crandon Boulevard and its side streets.
- **Golden Beach Capital Improvements Program, Golden Beach, Florida** - Principal in Charge for this comprehensive Capital Improvements Program Master Plan that focuses on several major improvement areas: town-wide drainage improvements; utilities underground relocation (electrical, telephone, cable); town-wide streetscape & traffic calming; and renovation to the Town's existing Town Hall building. The Master Plan carefully considered the each of these with respect to feasibility, cost/benefit, and design, as well as an analysis of funding options and scenarios, and schedule for phasing and implementation.
- **South Miami Downtown Improvements, Phases I, II, III, South Miami, Florida** - Principal in Charge for these improvements within the South Miami Downtown area. The first phase of improvements consisted of the design, permitting, and construction of streetscape improvements on SW 73rd Street, SW 58th Avenue, and SW 58th Court. The Improvements included approximately 1100 linear feet of 12" DIP watermain extension and new drainage systems. These updated systems were vital to allow the downtown area to develop and expand. The second phase of work consisted of the design, permitting, and construction of complete streetscape improvements within the downtown South Miami area on SW 58th Avenue and on SW 73rd Street between SW 58th Avenue and SW 57th Court.



# Jeffrey Crews, PE, LEED AP

## QA/QC Officer

Jeff, with over 29 years of experience, has been Design Engineer and Project Manager on various projects in the field of structural and civil engineering. Jeff's civil experience has included the preparation of utility relocation plans, drainage analysis, development of traffic control, and stormwater pollution prevention plans. Jeff also has extensive design, construction inspection, and administration experience in all types of building structures.

### Education

Bachelor of Science in Civil Engineering, Cum Laude, University of Miami, Miami, Florida, 1988

### Registration

Professional Engineer #46575, State of Florida

LEED Accredited Professional, U.S. Green Building Council

### Select project experience

- **Marathon Community Park, Marathon, Florida** – Senior Civil Engineer for master planning, design and permitting for this community park in Marathon in the Florida Keys. The park included soccer fields, an outdoor covered amphitheater, restroom buildings, a skate park, bocci and shuffleboard courts, parking and all associated utilities. Our company provided the civil, structural and architectural design for the project as well as construction administration and oversight. The amphitheater structure incorporated tensile fabric construction and was designed to meet all current hurricane wind loading requirements for the Florida Keys. Drainage incorporated a combination of trench drain and dry retention in order to prevent runoff from entering the adjacent environmentally sensitive mangrove areas.
- **Gibson Park, Miami, FL** - Senior Civil Engineer for the complete reconstruction of an existing 9.4-acre park in the historic Overtown section of Miami into a Gold Certified LEED facility. The project includes a 6700 SQ recreation building and aquatic facility with competitive and recreational swimming components, and a new artificial turf multipurpose field for baseball and football. The field incorporates covered stadium seating for 1500 patrons. In a second phase, a 22,000 sf gymnasium building has been added with 2 full size wood courts, concession room and multiple meeting spaces. Additional elements included picnic shelters, playground, exercise equipment and parking.
- **FIU Stadium Artificial Turf Field, Modesto Maidique Campus, Miami, Florida** - Senior Project Engineer for this fast track design build project to replace the existing artificial turf in the reconstructed FIU Stadium. Construction for the stadium bowl was well underway when the design-build team was contracted in May 2008 to replace the field. Complete design and construction was performed prior to the fall football season beginning in August of that same year. Services included all design, layout and specification for the artificial turf and subsurface drainage for the project. The field was designed as a dual purpose football and soccer and received the highest level FIFA certification for soccer. Advanced drainage design and coordination was required to allow the field underdrain system to be connected into the previously designed master drainage system.
- **Little Haiti Soccer Park, Miami, Florida** - This design-build parks and recreational facility for the City of Miami includes a tournament soccer stadium with seating for 750 people. For this project, the stadium is a cast-in-place concrete structure with concession, restroom and maintenance spaces built into the underside of the seating. In addition to the main tournament field, the project includes a practice field; playground; splash deck; exercise trail; shelters; parking; and a future Community Center. The firm has provided civil engineering including utilities, drainage, parking, grading, permitting, as well as structural design for the stadiums' structure.
- **Doral Meadows Baseball & Soccer Field, Doral, Florida** - Project Manager for the renovations to an existing six-acre park included the complete reconfiguration of two baseball fields, two football fields and all associated pathways and plazas. The football fields were replaced with synthetic turf fields complete with an underdrain system that allows the fields to be played on within an hour after a major rain event. In addition, the project included an ADA accessible playground with shade structures, a picnic shelter, paths with fitness stations, lighting and installation of a drainage system to upgrade the property. Included in the design was the removal of a substantial quantity of muck which covered the entire site to a depth of about five feet.

- Kendall Soccer Park, Miami, Florida** - Project Manager and Senior civil engineer for the design and construction administration services for this project that involves the final development of a 42 acre park in Kendall, for Miami-Dade County. It is comprised of three artificial turf soccer fields with bleachers, a restroom facility, 235-space parking lot with lighting, landscaping, and surrounding walkways. The project included site development, architectural & structural design, sport's lighting, stormwater design, water & sewer services, permitting, and construction administration. The property is within the northwest wellfield cone of influence restricting the use of pesticides, herbicides, and fertilizer, therefore regular field grasses were not an option. Our company coordinated with DERM to provide an acceptable drainage system that would meet quality and quantity considerations as well as environmental restrictions. Our company also coordinated presentations with the artificial turf manufacturers to establish the best product. This project was completed under budget and ahead of schedule. This project entailed successful coordination with Miami-Dade County.
- Matheson Hammock Park Marina Reconstruction, Dade County, Florida** - Project Structural Engineer for this Design/Build project which included the design and construction inspections for Dade County Parks & Recreation's Flagship Marina. Six of the existing piers shall be replaced with floating docks, new utility services are being provided for these piers, bulkhead rehabilitation, maintenance dredging, and replacement of eight boat ramp finger piers.
- Miami Beach Design Criteria for Palm Island and Hibiscus Island, Miami Beach, Florida** - Design Criteria Professional and Project Manager for the preparation of design-build criteria packages including design development plans. This project was a full reconstruction project of Palm Island, and Hibiscus Island, which are exclusive and historic high-end residential neighborhoods in Biscayne Bay. Scope of work includes drainage, roadway, water, landscaping, lighting, and undergrounding of utilities (FPL, ATT and Comcast). Project also includes cost estimating, maintenance of traffic, scheduling, storm water pollution prevention, permitting, and construction management. Services included development of a master prototype Design Criteria Package with a new approach to the design build delivery system.
- FDOT North Dade Maintenance Facility (Phases I, II, III), North Miami, Florida** - Chief Engineer for the Master Plan and Contract Documents for this Design/Build Project. Phase I consists of a 12,000 s.f. office building which included offices; conference and training rooms; lunch room with a kitchenette and vending machines; locker facilities with showers and toilets; and computer / radio communication rooms. An emergency generator was also provided. Phase II included an 18,000 s.f. eight-bay vehicle maintenance / warehouse building; roofing of a four-station fueling facility; bulk and secure material storage; and site development of the 8.3 acre parcel. For Phase III, the firm provided contract documents for the design/build project of a 5,000 s.f. office which consists of offices and conference room for the FDOT Construction Department. A 600 s.f. welding shop and restroom facility was also provided under this phase.
- Coral Springs Public Safety Training & Technology Center, Coral Springs, Florida** - Senior Project Engineer for the feasibility study and ultimate development for the City's fire academy located on a 3.9-acre site. The study brought about the design phase, which included the design of the 30,000 square feet training facility which includes two large apparatus training bays and one maintenance training bay, four training rooms seating 40 people and four rooms seating 30 people, instructor's offices, library, computer lab, medical technical training facilities, locker/dressing rooms, restrooms, and other spaces. In addition, there was a multi-story tower, burn pits, vehicle fire facilities, and roadways with multiple fire hydrant connections amidst multiple training stations.
- Royal Caribbean Production Studio, North Miami, Florida** - Project Manager/Lead Civil Engineer for the development of this public-private-partnership between Florida International University and Royal Caribbean Cruise Lines. The project, constructed on the FIU Biscayne Campus, included a 130,000 sf studio building for the development and rehearsal of shipboard entertainment. The project included the extensive relocation of existing utilities including water mains, irrigation mains, force mains and a 36" drainage trunk line. Due to thick layers of unsuitable soils, the project included geo-fabric reinforced pavements and other special construction considerations.
- Pompano Beach Drainage Basin 4-1 and 4-2, Pompano Beach, Florida** - Project Manager for neighborhood drainage improvements in a low-lying residential neighborhood in the coastal region resulting in high ground water table. Project included the development of significant amounts of French drain along with minor utility modifications and an asphalt overlay. Services also include permitting and continued through procurement and construction.

# Thomas Charette

## Local Representative / Construction Manager

Mr. Charette has over 30 years of experience providing civil engineering concepts and practices related to planning, layout, design, and construction of facilities. He was employed by the Department of Defense as the Civil Engineer for the Public Works Department of Naval Air Station in Key West, Florida. His primary duties as a lead engineer were related to all phases of the development, design and construction of large civil and structural projects. For these projects his tasks included generating scopes and cost estimates based on inspection of buildings, infrastructure, grounds and/or facilities, evaluating A&E firms, awarding design contracts to A&E firms, working on site with A&E firm's staff, evaluating all phases of design documents, assisting with the award of the construction contract and providing engineering support during construction. Mr. Charette tasks for smaller projects were to create complete construction documents ready for award, assist with the award of the construction contract and provide engineering support during construction. Duties also included providing engineering support for projects being developed by other lead engineers or architects and to assist the maintenance department of Naval Air Station Key West when engineering was required. Mr. Charette also has extensive experience with the design and quality assurance of major roadway projects. Some of his relevant work experience includes:

### Education

Florida International University, Miami, FL; B.S. in Civil Engineering, 1986

Florida International University, Miami, FL; M.A. Childhood Education, 1977

Huntington College, Montgomery, AL; B.S. Math and Art Majors, 1968

### Select project experience

#### Naval Air Station Experience

**Major projects - Work with Architect-Engineering firms to develop construction documents, requests for proposals and studies.**

Duties during this design phase or study include:

- Performing field investigations to gather information required to develop project scopes;
- Researching guidance, technical literature and regulation that affect projects;
- Preparing project scopes and Government cost estimates;
- Assuring that the A/E's have all available criteria and directives;
- Providing technical and administrative guidance to the A/E during their preparation of drawings, specifications and material selection;
- Acting as a focal point for coordination of design criteria and information with the A/E, the customer and other interested Government representatives;
- Reviewing plans and specifications prepared by the A/E;
- Monitoring the progress of the design; and
- Assuring that all work required by the design contract has been completed.

During construction duties include:

- Performing field investigations involving problems that require direction for corrective action and may require changes in the design due to latent conditions;
- Analyzing and interpreting contract drawings and specifications to determine the extent of the contractor's responsibilities under the provisions of the contract;
- Recommending solutions to controversial situations including those which are due to the misinterpretation of contract documents;
- Reviewing and evaluating proposed change to the contract then recommend approval or disapproval;
- Preparing Government cost estimates for approved changes;
- Providing technical review and recommendations for the resolution of contractor claims.

**Smaller projects – Provide construction documents or Request for Proposal complete and ready for award. This work requires:**

- Participating in conferences where problems or needs are identified;
- Planning to determine the functional requirements of the project;
- Identifying areas of special concern such as permitting requirements, clearances, environmental impacts, and site utility adequacy/protection;
- Obtaining necessary approval actions;
- Coordinating technical and administrative requirements with local, state and other authorities.



# Terrance Glunt, PE, SI, LEED AP

## Senior Marine Engineer

Tery has over 39 years of experience in the management and administration of engineering divisions responsible for all aspects of design and construction of government and agency related facilities including marina and boating access facilities, recreation complexes, urban and Interstate roadways and bridges, utility corridors, municipal public works and administration facilities, nuclear power plants, landfills and aviation facilities throughout Florida and the United States. His specific experience includes engineering design and coordination of multiple projects, construction engineering and inspection, quality control/constructability review, rigid and flexible pavement design and analysis, hydrologic evaluations, geotechnical and environmental studies, DRI and PD&E involvement, environmental and drainage permitting, preparation of grant applications and coordination of numerous miscellaneous civil and structural contracts with State, County and Municipal entities. Tery has been responsible for the start-up of numerous offices for his current firm, as well as for his previous employers; involving research and development, establishment of budgets and procurement of all facilities, equipment, vehicles and staff.

### Education

Bachelor of Science in Civil Engineering, Florida International University, Miami Beach, Florida, 1985

Bachelor of Science in Environmental Sciences, Juniata College, Huntington, Pennsylvania, 1976

### Registrations

Professional Engineer #40130, State of Florida

Certification, Threshold (Special) Inspector, No. 0950, 2012

Certification, ACI, Level 1 Field Technician, 2012

OSHA, 40-Hour Hazardous materials Technician, HAZMAT, 2012

### Select project experience

- **Waterway Park, Jupiter, Florida** - Project Manager for development of new boat ramp facility in northern Palm Beach County. Duties included site plan development, design, permitting and construction administration for this 30 acre natural park along Indiantown Road and the ICWW. Permitting issues included development of a gopher tortoise reserve, mangrove and seagrass mitigation, compliance with county manatee protection program, stormwater runoff and an FDOT permit for the entrance off of Indiantown Road. The project included 4 boat ramps, concrete floating dock finger piers and staging docks, concrete seawall protection, education kiosks, picnic pavilions, restroom facilities, parking for 50 boat trailers and on site roadway and parking systems.
- **Alsdorf Park Boat Ramps, Pompano, Florida** - Principal in Charge of design, permitting and construction administration for the rehabilitation of a three slip boat ramp facility. The project included reconstruction of ramps and approaches, boat trailer parking lot resurfacing for 90 space parking lot, pedestrian walkways, landscaping and irrigation upgrades, drainage improvements, boat wash down area, lighting upgrades and signage for heavily used boat ramp complex on FIND leased property to City of Pompano Beach. Project required phased construction to maintain boat and trailer access to ramps during reconstruction.
- **Burt Reynolds Park Boat Ramp Staging Docks, Jupiter, Florida** – Project Manager for the design and permitting of 285 LF of new staging docks in the ICWW for access to the new boat ramps. Design incorporated ACOE design guidelines for seagrass mitigation and mangrove protection. Permitting included SFWMD, FDEP and ACOE permits along with a variance granted by letter of permission from NOAA/NMFS. Construction used wood timber design with fiberglass deck grating to allow sunlight to pass through for seagrass propagation.
- **Deerfield Island Boardwalk and Docks, Deerfield Beach, Florida** – Project Manager for the design and construction management of a 2000 LF boardwalk replacement project that included 1200 LF of new boardwalk, 800 LF of railing replacement, three new floating docks for visitor access, ADA walkways from docks to boardwalk, and minor restroom upgrades. Boardwalks utilized recycled plastic lumber; and floating docks were aluminum with wooden decking and wailers. Phase I of the rebuilding effort included upgrading the structural integrity of the aging boardwalk system and installing recycled plastic docking material. Since the park is only accessible by boat or the County's ferry service, all construction materials had to be brought in on barges. Phase II included marina upgrades, ADA-accessible docks, and additional recycled plastic boardwalks to all the park amenities, restrooms, picnic areas and educational kiosk.
- **St. Lucie County Fishing and Scenic Overlooks, St. Lucie County, Florida** – Principal in Charge for this project for which our firm provided design, permitting and construction management of five fishing docks with scenic overlooks for St. Lucie County Mosquito Control District. Projects involved limited parking lots on ICWW side of SR A1A, fencing and/or gates, wooden boardwalks and docks at key locations and information kiosks as needed at various locations.

- **Ft. Pierce Inlet Boat Ramp Facilities, Ft. Pierce, Florida** – Project Manager for this recreational marina facility featuring 4 boat ramps, concrete floating dock finger piers, 2 staging areas, concrete seawall and cap, rip-rap revetments, parking for 75 vehicles with trailers, passenger car parking, drainage and wetlands areas, water, sewer and electrical service, lighting, information kiosks and turn lane access from State Highway with entrance feature. Permitting issues included, gopher tortoise relocation, manatee protection plan modification, coast guard navigable waterway acceptance, mangrove areas, seagrasses and dredge and fill permitting through FDEP/ACOE/SFWMD. Subsequent to Hurricanes Frances and Jeanne, it remained the only active boat ramp in the County not damaged by the storms.
- **Palm Beach Seawall Repairs, Palm Beach, FL** - Senior Engineer for the rehabilitation of 2.5 miles of seawall along the Atlantic Ocean. The design included the evaluation of existing failed sections. The development of repairs included various repair types. These included deadmen and tie-back, placement of rubble rip-rap to prevent kick out and toe failure, as well as full replacement utilizing soldier T-piles and precast panels.
- **Pompano Community Park, Pompano Beach, Florida** – Principal in Charge for the design and permitting of a new aquatic facility, which includes the master planning, design and construction management of a new competition pool, restrooms, concession and pool buildings. New parking, utilities, landscape and irrigation systems were also required. In addition, the existing pool was rehabilitated and brought up to code to create a double pool complex.
- **Marathon Community Park, Marathon, Florida** - Principal in Charge for the Master Planning and Development of a multipurpose park in Florida Keys. The project included two soccer fields and a state of the art tensile fabric amphitheater for concerts on the green. The project also included a skate park, shuffleboard and bocce ball courts as well as picnic shelters, parking and restroom facilities.
- **Plantation Midtown Improvements and Greenway Transit Route Phase I, Plantation, FL** - Project Manager for the master plan, engineering design, and construction administration of the revitalization of entire central business district and creation of mixed-use area conducive to pedestrian friendly use and access. The project included the reconstruction of 2.5 miles of mixed use walkways, textured crosswalks, parallel parking, landscaped medians, and a roundabout at a key intersection of the City. The firm's design is the template for all improvements to follow in the City's midtown area. We have worked with the City in designing the route that the first phase of the bus transit will operate as well as helped them research the different type of transit vehicles available to them. In working hand in hand with the City on this issue, we are ensuring that the design we deliver meets the needs and expectations for the entire scope of their greenway project.
- **Via Vizcaya Neighborhood Improvements, Palm Beach, FL** - Principal in Charge for this project which included the design of an upgraded storm water system for a two-block area at the south end of the Town of Palm Beach. The system needed to be designed from a fixed outfall elevation and run backwards to accommodate drainage in the roadways of a million dollar plus per residence neighborhood. Once the project was underway, it was determined that the existing water and sewer needed to be upgraded as well. Full roadway reconstruction was also added since most of the streets were excavated to install the drainage and utilities. Project required phasing to accommodate access to resident driveways.
- **Belvedere Road and Pike Road Intersection Improvements, Palm Beach County, Florida** - Principal in Charge for the design and permitting of a designated right turn lane and paved shoulder widening on Pike Road at the approach to Belvedere Road. Included in the design was the extension of a large diameter culvert in the LWDD L-3 canal beneath Pike Road, guardrail, curb and gutter, milling and resurfacing of the mainline on Pike Road, driveway connections to adjacent properties, right of way designation for easement acquisition, utility adjustments, pavement markings and accommodations for signalization. Permitting included drainage permits through LWDD and SFWMD. Legal description for all easements and right of way acquisition was obtained and provided for legal purposes.
- **Riviera Beach Roadway Sidewalk Pavement Assessment Riviera Beach, Florida** - Principal in Charge for the assessment of the condition of approximately 85 centerline miles of existing roadway pavement network and development of a Multiyear Maintenance and Rehabilitation Plan for the City. The project also includes assessment of sidewalk and asset inventory of catch basins and manholes. Automated field data of pavement distresses were collected and loaded into MicroPaver to determine Pavement Condition Index (PCI). Development of deterioration models, and ranking and prioritization of repair and rehabilitation needs, engineering Analysis of repair and rehabilitation options for the various roadways, development unit cost information and development routine maintenance requirements was developed by Stantec. This information was used to develop a multi-year Maintenance and Rehabilitation Work Plan and carried out budget analysis based on the Minimum PCI and Critical PCI methods for the City of Riviera Beach. This multi-year plan served as the City's CIP.

# Manuel Solaun, PE

## Senior Structural Engineer

Manuel has over 44 years of diversified experience in the design and management of complex structural systems. Manuel is responsible for the design of bridge projects undertaken by the firm. Over his career he has lead the design effort on numerous transportation projects involving bridge structures over waterways, structures on limited access facilities, as well as urban and rural arterials, marine and coastal structures and heavy railroad corridors. This experience has included complex steel and concrete structural systems for new construction, widening and rehabilitation of bridge projects utilizing steel plate, steel box girders, reinforced concrete, pre-stressed and post-tensioned structural systems.

### Education

Bachelor of Science  
in Civil Engineering,  
University of Havana,  
Havana, Cuba, 1973

### Registrations

Professional Engineer  
#43418, State of  
Florida, 1990

### Select project experience

- 95 Express Lanes Design-Build Finance (from South of SR 112 to North of SR 826), Miami-Dade County, FDOT District 6** - Structural Engineer of Record for this project that involved widening 4 sets of bridges through the SR-112 system interchange. Among the structural challenges included the replacement of the four (4) interior spans of the third level curved directional flyovers as well as the retrofitting of three piers. The replacement of the directional ramp interior spans involved replacing the existing four span prestressed concrete beam superstructure with a two (2) span continuous steel plate girder structure. The new spans consisted of variable height sections that enabled an increase in vertical clearance over I-95. The adjacent piers were retrofitted and strengthened with combinations of prestressed piling, steel pipe piling and micro-piling. The pier retrofits included extension of two existing steel straddle bents with concrete post-tensioned bents and conversion of an existing 3 column pier to a single column post tensioned hammerhead pier.
- Golden Glades Interchange - Project Development & Environment (PD&E) Study (SR 826 EB to I-95 NB), FDOT District 6** - Senior Engineer for the development of this two-stage PD&E Study. The Golden Glades Interchange is of regional importance providing connectivity to six major principal arterials and/or limited access expressway facilities including I-95/SR 9A, SR 9, SR 91 (Florida's Turnpike), US-441/SR 7 and SR 826. The first stage is to evaluate a new direct connect flyover ramp from Eastbound SR 826 to Northbound I-95 as well as various operational improvements to the various interchange internal ramp systems (Including development of a IMR). This included the expansion of the connector between Florida's Turnpike as well as the Ramp from Eastbound SR 826 and Southbound I-95. As part of this study an alternative corridor evaluation was performed for the relocation of an 18-inch Florida Gas Transmission (FGT) Line consisting of five potential alternative corridors. The second Stage is to develop a Master Plan that incorporates these improvements in addition to the development of a direct connect elevated express lanes connection to and from SR 826 connecting to the I-95 elevated flyover express lanes (to and from the north) as well as an elevated express lanes flyover connection from Florida's Turnpike to the existing southbound I-95 Express lanes. Several of these ramps are over railroad facilities.
- SR 826/SR 836 Interchange Reconstruction, Miami-Dade County, FL** - Lead Structural Engineer / Engineer of Record for Segment 7 of the reconstruction of this \$560 million, four-level interchange in the heart of Miami-Dade County. The job includes the design of 23 new bridges that include 2 steel bridges, and 21 Florida I-beam bridges.
- SR 5 (US-1) Design-Build-Finance from South of the C-111 Canal to SW 344th, Miami-Dade County, FL** - Senior Structural Engineer for this project which entails approximately 10.5 miles of US-1 that is part of the 18-Mile Stretch of US-1 between Florida City and Key Largo. This project is being constructed under a Public Private Partnership utilizing the Design Build Finance (DBF) method of project delivery by the DBF Team and was the first Unsolicited Proposal accepted by USDOT in the State of Florida. This project included the design of the replacement of the C-111 Bridge and relocation of Utilities.
- SR 5 (US-1) Jewfish Creek Bridge, Monroe County, FL** - Engineer of Record responsible for the design of the four Ramp bridges located at the rotary intersection south of the Jewfish Creek Channel, the bridge located on the at grade Ramp E and the bridge located on the mainline at the

County line. In addition, numerous bulkheads as well as box culverts are included in within the project limits.

- **Districtwide Major and Minor Bridge Repair Services, Miami-Dade County, FL, FDOT District 6** - Engineer of Records and Project Manager for various major and minor bridge rehabilitation services under this Districtwide contract. Projects under this contract included Bridge Painting, Methyl Methacrylate, Pile Jacketing, Expansion Joint Repairs and Replacements, Prestressed Beam Repairs, Concrete Spall Repairs to beams, slabs, columns, pile caps, etc., pile jackets with cathodic protection and metalizing of several bridges, and development of Traffic Control Plans for various repairs on limited access facilities.
- **New Direct Access along I-75 to SWFIA from South of Alico Road to Daniels Parkway, Lee County, FDOT District 1** - Supervision of Structures group for this project that provides direct connection from I-75 to the Southwest Florida International Airport (SWFIA) Mid-Field Terminal Facilities in Fort Myers. The project involves the construction of five (5) bridges, five (5) miles of 4-lane C-D System adjacent to I-75 between Alico Road and Daniels Parkway. It also includes construction of 1-mile new Terminal Access Road (TAR) with interchanges at I-75 and Ben Hill Griffin Parkway that ultimately ties in to the existing SWFIA Mid-Field Terminal Facility roadway.
- **SR 874 Northbound On-Ramp from Kendall Drive, Miami-Dade County, FL** - Engineer of Record responsible for the structural design of the new on ramp bridge to northbound SR-874 over Snapper Creek Canal and SR 878. The 1.25-mile new ramp consists of approximately 2,000 feet of curved twin steel box girders supported by eccentric concrete piers.
- **Navona and Strand Avenue Bridge Replacement, Miami-Dade County, FL** - Engineer of Record for the final design for the replacement of 3-span existing bridge at the Town of Golden Beach.
- **SR 90/Tamiami Trail from East of Osceola Camp to West of Airboat Association of Florida, Miami-Dade County, FL, FDOT District 6** - Lead Structural Engineer / QC-QA of bridge structures for this \$69.5 million project that includes the design of 2 new bridges with a total length of 2.3 miles over the Florida Everglades. The structure consists of FIB 72/36 beams supported on precast bent caps and 24" prestressed piles.
- **I-195 (SR 112) from I-95 to Biscayne Bay, Miami-Dade County, FL** - Structures Engineer of Record for operational safety improvements to two miles of this limited access facility. The project includes replacing median curbs with a median barrier wall, widening eight bridges and constructing new retaining walls in five (5) existing bridge overpasses.
- **I-95 Southbound from NW 125th Street to NW 135th Street, Miami-Dade County, FL** - Engineer of Record responsible for the capacity improvements to I 95 SB from NW 125th Street to North of the Opa-Locka Blvd. Interchange. The project includes the addition of a general-purpose lane through the project limits and an exclusive auxiliary lane between NW. 125th Street and the NW 135th Street on-ramp. The project also includes the widening of three (3) bridges with modified AASHTO beams, widening of existing MSE walls by attaching new reinforcing straps to the existing panels; and reinforcing an existing MSE wall with a soldier pile/soil anchor wall system.
- **Project Development and Environment (PD&E) Study for the Widening of the HEFT from SR 874 to SR 836, Miami-Dade County, Florida, Florida's Turnpike Enterprise** - Senior Bridge Engineer for the Bridge Analysis Report of this PD&E Study of the 9.5-mile section of the HEFT. This existing limited access facility consists of six general purpose lanes (within these project limits) and is being studied for possible conversion to ten general purpose lanes. This segment of the HEFT encompasses the System to System Interchanges of SR 874 and SR 836, as well as three Service Interchanges. In addition, the Snapper Creek Service Plaza at the southern end of the corridor is being investigated for access improvements. The project also includes the conversion of the Bird Road Mainline Toll Plaza to Express Lanes utilizing a mixed cash and collection system as well as an all-electronic toll collection system. Additionally, the project consists of developing a new interchange at Killian Parkway which includes coordination with FTE for an Interchange Justification Report (IJR).
- **City of Ft. Lauderdale Replacement of 10 Bridges, Broward County** - Engineer of Record for this project that include full engineering services for the replacement of ten (10) existing bridges over water. Funded by FDOT District 4 through a Local Agency Program (LAP) agreement. Challenges include: proximity of existing residences and boats, MOT phasing construction within a limited row, utility coordination and relocations, biological survey, permitting, completion of U.S.C.G Project Questionnaire Programmatic, Categorical Exclusion checklist, bridge hydraulics and scour determinations, etc.



# Carlos Herdocia, PE, LEED AP

## Senior Roadway Engineer

Carlos has over 29 years of experience and has been Project Manager and Senior Design Engineer on various roadway and drainage projects for municipalities in Miami-Dade County. He has extensive experience in developing residential, commercial and highway roadway and drainage plans. This experience includes traffic calming, resurfacing and reconstruction plans, drainage design studies and reports, maintenance of traffic, signalization, lighting and signing and marking plans.

### Education

Bachelor of Science  
in Civil Engineering,  
Florida International  
University, Miami,  
Florida, 1988

### Registrations

LEED Accredited  
Professional, U.S.  
Green Building Council

Professional Engineer  
#47660, State of  
Florida

### Select project experience

- Design & Construction Services for John F. Kennedy Causeway Redevelopment North Bay Village, Florida** - Senior Engineer for this project that involves the design and construction services for the redevelopment of the John F. Kennedy Causeway. The project will be implemented in several phases. Phase I will be the landscape design and construction of street beautification improvements to the western end of the Causeway. While this phase is being implemented, a conceptual master plan shall be prepared to address the complete beautification and redevelopment program for Kennedy Causeway which includes the roadway, adjacent business district, and the waterfront.
- SW 264th Street Improvements (US-1 to SW 137th Avenue), Miami-Dade County, Florida** - Project Manager and Senior Project Engineer (Engineer of Record) involved with the design for the proposed street improvements for SW 264th Street (approx. 0.74 miles). Design elements included a new configuration for SW 264th Street with a two lane divided roadway within an 80 foot right of way. The proposed corridor design consisted of standard travel lanes, bicycle lanes, parking stalls with landscape bump-outs after every second parking stall, a landscaped median, traffic separator, standard curb and gutter, sidewalk, school bus drop-off, pavement marking and signage, roadway lighting and report, school zone with applicable markings, signs and flashers, and modification of existing traffic signal at US-1. Design elements of stormwater management included over 3,150 feet of exfiltration trench, 2,000 feet of solid pipe, 45 drainage structures, pollution control structure with an emergency overflow into Naranja Canal with a rip-rap end-wall and manatee grate. Services also included preliminary field investigations, utility coordination, computation book, drainage report, detailed cost estimates and permitting through DERM.
- Town of Golden Beach Capital Improvements Program, Golden Beach, Florida** - Senior Civil Engineer for this comprehensive Capital Improvements Program Master Plan that focuses on several major improvement areas: town-wide drainage improvements; utilities underground relocation (electrical, telephone, cable); town-wide streetscape & traffic calming; and renovation to the Town's existing Town Hall building. The Master Plan carefully considered the each of these with respect to feasibility, cost/benefit, and design, as well as an analysis of funding options and scenarios, and schedule for phasing and implementation.
- South Miami Downtown Improvements Phase IV, South Miami, Florida** - Senior Civil Engineer involved with street and drainage improvements. Design elements included over 200 feet of exfiltration trench, 200 feet of solid pipe, ten drainage structures, milling and resurfacing of roadway, side walk, curb and gutter stripping & signing landscaping and irrigation and maintenance of traffic (MOT) plans. Also responsible for the production of demolition, geometry paving grading and drainage, typical sections and detail, landscaping and irrigation plans. Duties also included drainage report and detailed cost estimates.
- Crandon Boulevard Master Plan, Key Biscayne, Florida** - Project Engineer for this project that took an existing suburban style highway and transformed it into a center of community activities. By promoting the safe and secure transit of all types of vehicles and pedestrians, this CPTED-friendly design also serves to create a source of identity for the community connecting retail, residential, public parks and government facilities into a cohesive design. The project consisted of a master plan that encompassed the design for a 4-lane divided road, improved public safety, easing of traffic congestion, traffic calming, pedestrianization, improved mass transit, streetscape improvements, sidewalks, lighting, and a roundabout.

- **S.W. 6th Street Improvements, Sweetwater, Florida** - Project Engineer on the design of approximately 0.5 miles of urban road resurfacing, sidewalk rehabilitation, drainage improvements, pavement marking and signage, and landscaping plans. Responsibilities included Construction Administration and Inspections.
- **Hialeah Street Improvement, Hialeah, Florida** - Project Manager and Senior Roadway Engineer (Engineer of Record) for the engineering design and preparation of construction drawings and specifications for numerous roadway reconstruction projects in the City of Hialeah varying from 0.5 to 1.5 miles, and two- to five-lane sections. The improvements included geometry, earthwork, pavement sidewalk, curb and gutter, raised median, drainage, lighting, pavement marking and signage. Some of the projects include: West 44th Pl. from West 10th Ave. to West 12th Ave.; East 8th Ct. from East 45th St. to East 49th St.; West 26th St. from West 52nd Ave. West 60th Ave.; East 8th Lane from East 45th St. to East 49th St.; West 33rd St. from Palm Ave. to East 4th Ave.; East 9th Ct. from East 45th St. to East 49th St.; West 37th St. from West of 16th Ave. to West 8th Ave.; East 9th Lane from East 45th St. to East 49th St.; West 46th St. from West 16th Ave. to West 12th Ave.; East 47th St. from East 8th Ave. to East 10th Ave.; West 56th St. from West 26th Ave. to West 20th Ave.; East 2nd Ave. from East 33rd St. to West 41st St.; West 18th Ave. from Okeechobee Rd. to West 49th Ave.; East 22nd St. to East 24th St. & East 9th Ave.
- **West Kendall District Park (SW 157th Avenue and SW 120th Street), Miami-Dade County, Florida** - Project Manager and Senior Project Engineer (Engineer of Record) involved with proposed new roadway design and street improvements for Miami-Dade County. Design elements included over 4,600 feet of exfiltration trench, 1,000 feet of solid pipe, 31 drainage structures, over 5,000 feet of 16" water main with sub-aqueous crossing, roadway resurfacing, roadway lighting and report, new signalization with mast arm configuration of existing intersection, over 1 mile of new roadway with sub base, base and asphalt, sidewalk, guardrail, landscaped median, retaining wall, curb and gutter, pavement markings and signs and coordination with structural department for design of proposed Bridge over a canal. Services include the production of Grading and Drainage, Typical Sections, detail plans, preliminary field investigations, utility coordination, computation book, drainage report and detailed cost estimates. Other tasks included permitting through DERM, Miami-Dade Water and Sewer, Miami-Dade Fire Rescue, Florida Department of Health and acquisition of Right of Way permit through SFWMD.
- **N.W. 72nd Avenue from Okeechobee Road to N.W. 122nd Avenue, Miami, Florida** - Project Manager and Senior Project Engineer (Engineer of Record) responsible for design of 2.5 miles of roadway. Project includes widening from two lane to four lane divided as well as installing new drainage on existing four-lane section of the corridor. Also included are the reconstruction of sidewalks, curb and gutters, upgrading 11 signalized intersections to mast arm configuration, and the installation of lighting.
- **Town of Bay Harbor Islands** - Residential Street Closure and Traffic Study, Bay Harbor Islands, Florida - Traffic study for the implementation of several street closure, landscaping and guardhouse facilities to included Neighborhood Public Involvement Work Shops. This was done in support of a Special Taxing District to add security provisions for both sides of the Island.
- **N.E. 19th Avenue Roadway Improvements (N.E. 171st Street to N.E. 183rd Street), North Miami Beach, Florida** - Project Manager and Senior Roadway Engineer (Engineer of Record) for the reconstruction of all non-signalized intersections to provide roadway widening and resurfacing project including pavement widening, overlay, curb and gutter, curbed islands, landscaping, drainage, on-street parking, lighting, pavement marking and signage, drainage fumes at the corner radii, and median nosing. The project also included a new roundabout at each of the non-signalize median openings.
- **CDBG Street and Drainage Improvements, City of Sweetwater, Florida** - Project Engineer for the on-going multi-phase, multi-year project consists of the widening, resurfacing, landscaping and provision of drainage for deteriorated local city roads. Over five miles of roadway have been improved, representing approximately 25% of all roads within the municipality.
- **Traffic Calming Devices and Right of Way Improvements (Phases I and II), Doral, Florida** - Project Manager for the design and construction of traffic calming devices and right of way improvements within the City limits. We were the prime design firm for this design/build project that includes the design and permitting of one traffic circle at the intersection of NW 109th Avenue and NW 86th Street and two splitter islands on SW 78th Street. The project also includes new curb and gutters, pavement milling and resurfacing, paved crosswalks (at traffic circle only), and landscaped medians.

# Marlon Medina, PE, CFM

## Project Engineer

Marlon has over 9 years of experience in the design of Civil Engineering systems including drainage, paving and utilities for large scale projects. He has served as project engineer for various drainage, water, sewer, underground electrical, and industrial projects. His experience has allowed him to effectively deliver projects satisfying all owner requirements. He is proficient at various software packages including Microsoft Project, MBR (SFWMD Multi-Basin Routing Software), Flowmaster, AutoCAD, AutoTurn and EaglePoint.

### Education

Bachelor of Science in Civil Engineering, Florida State University, Tallahassee, Florida, 2008

### Registration

Professional Engineer #77052, State of Florida

Certified Floodplain Manager #US-12-06741, State of Florida

### Select project experience

- Miami Beach Stormwater Pump Station, Seawall and Outfall Permitting, Miami Beach, Florida –** Marlon is providing civil engineering design services for this project. With the growing challenges to stormwater management based upon the very real threat of sea level rise, the City of Miami Beach has modified their stormwater master plan converting from a gravity-based system to a system utilizing pump stations and outfalls. Stantec was selected by the City to provide environmental and engineering services related to obtaining a wide range of federal, state, and local permits. The required authorizations have included: Environmental Resource Permits (ERP) through the South Florida Water Management District (SFWMD); Dredge & Fill Permits through the U.S. Army Corps of Engineers (USACE); Class I, Class II and Class V Permits from the Miami-Dade County Department of Environmental Resource Management (DERM); Consumptive use permits (CUP) through the SFWMD; and Class V stormwater well permits from the Florida Department of Environmental Protection (FDEP). These projects have included construction of seawalls and pump stations and installation of stormwater outfall structures and riprap. Stantec has met the challenge of obtaining these permits in a very short period in order to meet the demanding schedule established by the City to avoid flooding in the streets during high and king tides. Our staff was able to work with all of the listed agencies to negotiate through the permitting processes to meet construction schedules. In addition, Stantec was able to coordinate with commenting agencies to avoid lengthy federal consultation processes for endangered species (specifically the small tooth sawfish and Johnson's seagrass both regulated by the National Marine Fisheries Service).
- No Name Harbor Seawall Repairs, Key Biscayne, Florida –** Civil-Structural Engineer for Seawall Repairs. No Name Harbor is a small anchorage located on the bay side of Bill Baggs Cape Florida State Park, in Key Biscayne, Florida. Beginning at the south side of the harbor's narrow opening, a 1,475 LF seawall bulkhead exists along the south and west harbor shoreline. The existing seawall was constructed using a system of tied-back concrete piles with concrete panels. In 2012, Stantec provided a report outlining the poor condition of the seawall and offered three repair options along with a replacement option. Stantec then prepared design documents which detailed repairing cracks and spalls in the cap, piles, and deadmen, replacing deadmen as needed, replacing all tie-backs, providing rip-rap to return the mudline to its original elevation, repairing and sealing all panel joints, and miscellaneous restoration work, including the sidewalk along the seawall cap.
- Village of Palmetto Bay Drainage Improvements, Palmetto Bay, Florida –** Civil Engineer involved with street and drainage improvements. Design elements included field review of existing conditions, limited engineering survey of roadway centerline elevations and low points as needed to establish flow patterns and collection points, perform engineering analysis and design of new drainage systems or system improvements/modifications, and preparation of construction sketches sufficient for construction. Duties also included drainage report and detailed cost estimates.
- City of Coral Gables Citywide Assessment of all City Owned Roadways, Coral Gables, Florida –** Civil Engineer assisted in this City wide assessment of approximately 240 miles of pavement condition in the public rights-of-way within the City limits. A condition rating was assigned to each roadway section and the recommended streets to be improved were integrated into a

City aerial map using GIS. This map was reviewed analyzed with City staff and eventually served as the City's Pavement Capital Improvement Plan. Using this Capital Improvement Plan, construction documents which included 11x17 plans, specifications, project manual and cost estimates were developed in two phases for resurfacing and rehabilitation.

- **Old Cutler Road (SW 97 Avenue - 87 Avenue), Cutler Bay, Florida** – Civil Engineer assisting in the design improvements for the portion of Old Cutler Road between SW 97th Avenue and SW 87th Avenue. The project consists of roadway improvements, traffic circles, pavement resurfacing, sidewalks, drainage facilities, medians, landscaping and lighting. Old Cutler Road is designated a historic roadway which required all improvements to respect the existing roadway footprint, thus limiting the modification and/or additional widening of the road. This Miami-Dade County roadway is considered an arterial collector roadway. The 1.24 mile corridor between these two roundabouts now is a two lane roadway with turn lanes.
- **Caribbean Boulevard (Coral Sea Road to SW 87 Avenue), Cutler Bay, Florida** – Civil Engineer for the design improvements for the portion of Caribbean Blvd. between Coral Sea Road and SW 87th Avenue. The project consists of roadway improvements, two (2) traffic circles, pavement reconstruction, curbwork, sidewalks, drainage facilities, medians, turn lanes, landscaping and roadway lighting. This portion of Caribbean Blvd. is primarily a residential road. This Miami-Dade County roadway is considered a collector roadway. The proposed configuration for Caribbean Blvd. will include roundabouts at Gulf Stream Rd. and SW 192 Dr. for traffic calming and beautification. The corridor will be a two lane roadway with turn lanes, landscape medians and traffic calming splitter islands where plausible.
- **Florida International University (FIU) Sanitary Sewer Evaluation Study, Miami, Florida** – Civil Engineer for the evaluation of Inflow and Infiltration (I&I) within FIU's sewer system. The SSES was performed on over 40,000 feet of gravity lines, 9 pump stations, and 150 manholes, all in compliance with the Miami-Dade Volume Sewer Customer Ordinance (VSCO) and Plan A and Plan B of the Miami-Dade Department of Environmental Resources Management (DERM) guidelines for "Second Cycle SSES Submittals". We implemented a time sensitive schedule which included inspections and repairs needed to make the sewer system compliant before submitting an extensive SSES report to FIU.
- **Traffic Calming Devices and Right of Way, Doral, Florida** – Civil Engineer for the design and construction of traffic calming devices and right of way improvements within the City limits. The firm is the prime design firm for this design/build project that includes the design and permitting of one traffic circle at the intersection of NW 109th Avenue and NW 86th Street and two splitter islands on SW 78th Street. The project also includes new curb and gutters, pavement milling and resurfacing, paved crosswalks (at traffic circle only), and landscaped medians.
- **NW 2nd Avenue Wastewater Meter, North Miami Beach, Florida** – Civil Engineer for this project which included the design of a Wastewater Meter on an existing force main, Permits from WASD, DERM & SFWMD, and assistance in the Construction Phase. The proposed Meter was sized based on tributary flows (current and future), and Permitted in accordance with County and State regulations.
- **Pinecrest Watermain Master Plan and System Design, Pinecrest, Florida** – Civil Engineer for the design of over 27 miles of watermain to complete the potable water system of the entire Village. The Master Plan was prepared that included a computerized model of the entire system and public workshops and meetings were held to inform and educate the residents of the extensive work and cost involved in the project. The firm also prepared special taxing districts to better explain the finances of the project.
- **Town of Medley Sewer System Repairs & Rehabilitation, Medley, Florida** – Civil Engineer for the evaluation of Medley's Sewer system. Tasks included assisting project manager with Pump station readings, data collection, Shop Drawings review and analyses of the comprised study. The study area consists of 14 Pump Stations covering 8 square miles.
- **Sub-aqueous Canal Crossing at SW 152 Avenue, Homestead, Florida** – Civil Engineer for this project which included the construction of electrical ducts crossing under Canal C-103 east of the SW 152nd Avenue bridge. Duties included the design of the horizontal directional drilling (HDD), preparation of design documents, cost estimates, Permit from SFWMD, preparation of Bid Documents, and shop drawing reviews. The installed duct banks provided for future installation of electrical wiring.



# Juan Restrepo, PE

## Project Engineer

Juan has over 18 years of experience and has been engineer of record, project manager, and senior project engineer on a variety of completed projects statewide. He has a diversified background designing projects involving both major and minor highways, including the geometric design of interchanges and widening of interchange ramps for limited access facilities. Juan has extensive Design-Build experience and has been the Engineer of Record (EOR) on several 3R and local off-system roadway projects, and has been responsible for the preparation of highway plans for both conventional build and design-build projects.

### Education

Master of Science  
in Engineering  
Management, Florida  
International  
University, 2011

Bachelor of Science  
in Civil Engineering,  
University of North  
Carolina, 1998

### Registration

Professional Engineer  
#61821, State of Florida,  
2004

Geopak Level I and II  
Training

FDOT Advanced Work  
Zone Traffic Control  
Certification

FDOT Long Range  
Estimates

### Select project experience

- **Shared Use Path for Pedestrians and Bicyclists (M-Path) along SR 5 (US-1) from Datran Drive to SW 67th Avenue, Miami-Dade County, FDOT District 6** - Project Manager and EOR for this project which consists of a 1.25 mile segment of shared-use trail which includes a prefabricated steel truss bridge crossing over the SR 878 on-ramp that includes security camera and lighting components. It will extend the existing M-path south from SW 67th Avenue to Datran Drive thus providing a continuous connection that will link the existing path to the "South Dade Trail". This ten-mile shared use path meanders under the elevated Metrorail guideways within Miami-Dade Transit and FDOT right-of-way.
- **SR 5 (US 1) Design-Build from North of the Miami-Dade County Line to South of the C-111 Canal, Miami-Dade County, FDOT District 6** - Project Engineer for reconstruction of an existing 2-lane undivided roadway to a 2-lane divided facility. The improvements include a new 14-ft wide median with concrete barrier wall designed to eliminate head-on crashes. In addition, there is a 1-mile section where passing lanes are being provided.
- **Express Lanes - SR 826 from Flagler Street to NW 154 Street and I-75 from SR 826 to NW 170Street, Miami-Dade County, FL** - Senior Engineer for this project which includes design and construction of 10 miles of Express Lanes along SR 826 and 3 miles along I-75. The project limits extend from West Flagler Street to NW 154th Street along SR 826, and from SR 826 to NW 170th Street along I-75. The project includes the widening of 9 bridges along SR 826 as well as the new 826/I-75 Express Lanes connector bridges.
- **Golden Glades Interchange (GGI) Improvements (SR-826/Palmetto Expressway EB Ramp to SR-9A/I-95 NB) Miami-Dade County, Florida, FDOT District 6** - Project Manager and Roadway EOR for the development of contract documents including plans, specifications, supporting engineering analysis, calculations and other technical documents. The GGI is of regional importance providing connectivity to six major principal arterials and/or limited access expressway facilities including I-95/SR 9A, SR 9, SR 91 (Florida's Turnpike), US-441/SR 7 and SR 826. The primary purpose of this project is to provide a direct connection ramp from SR 826 eastbound to I-95 northbound. Additionally, the project will also: Improve the Turnpike southbound to the I-95 southbound movement; Enhance multimodal use for both transit and freight; Develop interim improvements within the GGI to enhance safety, mobility and circulation; and Enhance emergency access and incident response times through the interchange. The job includes the construction of 4 new bridges and 3 widenings. Other improvements include retaining walls, lighting, soundwalls, utilities JPA plans, signalization, signing/pavement markings & ITS.
- **95 Express Lanes Design-Build Finance (from South of SR 112 to North of SR 826), Miami-Dade County, FL, FDOT District 6** - Project Manager and Toll Facility Plans EOR for this project which includes re-striping I-95 and modifying shoulders to provide two 11-foot Express Lanes and four 11-foot regular travel lanes in each direction; installing electronic Open Road Tolling equipment; implementing Intelligent Transportation System (ITS)-related equipment including electronic message signs and ramp signals; widening several bridges along I-95 in the vicinity of SR 112 and modifying existing on and off ramps between I-95 and SR 112 to accommodate the new Express

Lanes; modifying storm water drainage; and converting the NW 10 Ave. on-ramp to NB I-95 to a dedicated Express Lane.

- **SR 874 Mainline Reconstruction Design-Build, Miami-Dade County FL, Miami-Dade Expressway Authority** - Project Manager and Roadway Engineer of Record for this project which includes widening of 4 miles of SR 874 from four lanes to six lanes between Kendall Drive and SR 826. It includes reconstruction of the SR 874 SB off-ramp to Kendall Drive ramp. This project also includes widening and rail replacements of five bridge structures including Kendall Drive, C-2 Canal, Miller Drive, Sunset Drive, and Galloway Road. ORT component plans were created for phase construction of the widening of SR 874 to maintain toll revenue collection operational. Project includes construction of eleven different wall systems including sound barrier walls, MSE walls and cast-in-place retaining walls.
- **SR 821 (HEFT) Widening from North of SW 184 Street (Eureka Drive) to South of SW 104 Street / SR 990 (Killian Parkway), Miami-Dade County, FL, Turnpike Enterprise** - Project Manager for all work produced by Stantec including roadway/drainage design elements, maintenance of traffic, pavement design, lighting, bridge structures, toll facilities and sound barrier walls. The primary goals of this \$145 million D/B project are to provide additional capacity along this segment of the HEFT, implement Express Lanes from SW 216 Street to SR 874, as well as provide route continuity for HEFT traffic by swapping the NB HEFT and SR 874 movements at the interchange, making the HEFT the primary (left-hand) movement at the interchange. Structural improvements include 10 bridge widenings, 5 new bridges, one partial bridge demolition, sign structures, crash walls, retaining walls and sound walls.
- **SR 826 / SR 836 Interchange Reconstruction Design-Build Finance, Miami-Dade County, FL, FDOT District 6 and Miami Dade Expressway Authority** - Senior Engineer for the complex MOT scheme developed to support the reconstruction of this \$560 million, four-level interchange in the heart of Miami-Dade County. The project includes the reconstruction of approximately 2 miles of SR 826 from SW 8th Street to NW 25th Street and approximately 3 miles of SR 836 from NW 87th Avenue to NW 57th Avenue to provide 5 lanes in each direction along the mainline plus the introduction of EBCD and WBCD roads along SR 836. The job includes the construction of 47 new bridges that include 7 steel bridges, 36 Florida I-beam bridges and 4 segmented bridges. Other improvements include retaining walls, lighting, sound walls, canal relocation, utilities JPA plans, signalization, new signing and pavement markings, new ITS, and special aesthetic features.
- **SR 874 Kendall Drive Northbound On-Ramp to SR 874/SR 878, Miami-Dade County, FL, Miami-Dade Expressway Authority** - Assistant Project Manager and Lead Roadway Engineer for the design and post design services of a new SR 874 northbound on-ramp from Kendall Drive. The 1.25-mile new ramp consists of approximately 2,000 feet of curved twin steel box girders supported by eccentric post tensioned concrete piers. The project also includes the final geometrics of the future SR 874 mainline including the SR 878 System Interchange to ensure constructability of future mainline capacity improvements given the proximity of the new on-ramp. This project includes a noise study along the corridor and noise abatement measures, including a noise wall along the east side of the ramp, north of the C2 canal (Snapper Creek) that will be required. In addition, the ramp will be converted to Sun Pass only requiring the use of Electronic Toll Collection. Responsibilities included all of the Pavement Markings and Signage.
- **I-75 over Caloosahatchee River Design-Build-Finance from North of SR 80 to South of SR 78, Lee County, FL, FDOT District 1** - Project Manager, Roadway, & Noise Wall EOR. This design-build project provides two (2) additional lanes in each direction of I-75 for a distance of approximately 1.6 miles. Key elements of the project include the widening of 8 bridges and sound barrier wall construction. The Caloosahatchee River bridges are high level fixed bridges over a major navigable waterway that require ship impact design and retrofitting of existing bridge components. Project includes heavy construction activities within an environmentally sensitive area which requires the use of top-down construction methods that utilizes straddle carriers and trestle equipment for handling, delivery and installation of precast elements.
- **Central Blvd. Widening, Realignment, and Service Loop at MIA in Miami-Dade County, FL, MDC-Aviation Dept.** - Task Leader for project support services for the design and construction of the Central Boulevard Widening, Realignment, and Service Loop that will provide improvements to the inbound and outbound traffic accessing the Miami International Airport, separating commercial from passenger traffic. The project scope includes services related to plan reviews, shop drawing reviews, request for information review and responses, environmental oversight, site inspections and participation in construction meetings throughout the life of the project. Services are being performed under the design/build project as the MIA Aviation Department consultant representative overseeing the design/build team.

# Rodrigo Rodriguez, PE

## Senior Engineer

Rod has over 43 years of professional responsibility in infrastructure planning, design, construction, and operation for a wide-range of capital projects in civil, sanitary, and environmental engineering fields; for municipal and other public agencies and for private industry and developers. His experience includes that as Director of the North Miami Beach Public Utilities Department (Water & Sewer) serving over 160,000 population.

### Education

Bachelor of Science in Civil Engineering, University of Florida, Gainesville, Florida, 1973

### Registration

Professional Engineer #20021, State of Florida

### Select project experience

- **Express Lanes - SR 826 from Flagler Street to NW 154 Street and I-75 from SR 826 to NW 170 Street, Miami-Dade County, FL** - Senior Engineer for this project which includes design and construction of 10 miles of Express Lanes along SR 826 and 3 miles along I-75. The project limits extend from West Flagler Street to NW 154th Street along SR 826, and from SR 826 to NW 170th Street along I-75. The project includes the widening of 9 bridges along SR 826 as well as the new 826/I-75 Express Lanes connector bridges.
- **Design Build JPA Relocation Plans 16-inch Force Main, Broward County, Florida** - QA/QC Officer. Design Build project with concessionaire Dragados USA. The City of Sunrise Utilities Department owns and operates a 16-inch DIP Force Main (FM) facility serving residents and businesses throughout the I-595 corridor, and was in conflict with the I-595 Improvements. The roadway improvements required a design to relocate approximately 1,026 LF of existing FM, the technical special provisions, quantities, and permitting through FDOT (utility office) and Broward County Environmental.
- **Town of Davie JPA Relocation Plans 4-inch Force Main, Broward County, Florida** - QA/QC Officer. The Town of Davie Utilities Department owns and maintains an existing 4-inch Polyvinyl chloride (PVC) Force main (FM) facility which currently serves Bradford Marine. The existing 4-inch FM ties into an existing lift station at Bradford Marine then continues to the west North of SR 84 WB, Ramp U-15 and South of Canal Drive, anddiverts to the North into New River Cove Apartments, where it terminates into an existing manhole. The firm is in charge of the design to relocate approximately 942 LF of the existing FM, the Technical Special Provisions, quantities, and permitting through FDOT (utility office) and Broward County Environmental.
- **Joint Participation Agreement (JPA) Relocation Plans 8-inch Water Main, Broward County** - QA/QC Officer for this project for which the City of Sunrise Utilities Department owns and maintains an existing distribution 8-inch PVC portable Water Main (WM) facility which currently serves residents and businesses along SR 84 EB between Pine Island and University Drive. It is necessary to relocate a portion of this WM along SR 84 EB to facilitate the proposed sound barrier wall number six (6) construction which consists of two sections along SR 84 EB. The firm is in charge of the design to relocate approximately 550 LF of the existing WM, the technical special provisions and permitting through FDOT (utility office) and Broward County Health Department.
- **Joint Participation Agreement (JPA) Relocation Plans 6-inch Water Main, Brevard County, Florida** - QA/QC Officer. Design and construction of over 500 LF of 6-inch, 8-inch and 12-inch Polyvinyl Chloride (PVC) Watermains along New Haven Avenue/SR 500 and Front Street. This project was executed as part of an FDOT roadway and drainage improvement project through a Joint Participation Agreement (JPA). The project also includes installation of new fire hydrants according to City of Melbourne Fire Department requirements, new water services and reconnections of existing stub outs within the project limits. Services provided include; conducting site investigations, utility coordination, topographic surveys, geotechnical investigation, engineering design, develop construction documents (plans & specifications), permitting and providing support services during procurement and construction.

- I-595 Express Design Build Fire Suppression System, Broward County, Florida** - QA/QC Officer. Interstate I-595 corridor (12.5 miles), a critical East-West transportation link in South Florida, is being expanded with the addition of new Express Lanes in the former median of the current I-595. The new Express Lanes will be “managed” lanes; that is, traffic will flow east-bound in the early morning hours and west-bound in the afternoon and evening hours. Because these ‘Express Lanes’ will be isolated from municipal hydrant access along SR 84 a special fire protection or fire suppression system (FSS) is being provided. The FSS is a dry-type (wet, but not under pressure) pipe system, which is independent of the municipal water supply and distribution system. The functioning of the FSS depends on booster pumps connected by the Fire Department(s) to the municipal system, to supply water under pressure to the FSS. A combination of Inlet and Outlet stand pipes will be strategically located to allow for the system to be used in fighting fires. Stantec is in charge of the design to install approximately 29, 437 LF of new 8-inch water main, 6, 680 LF of 10-inch new water main, the technical special provisions and permitting through FDOT and Davie Fire Department.
- Medley Booster Pump Station, Medley, Florida** - Project Manager for this pump station project which included the site selection, hydraulic analysis, preliminary design report, final design, construction documents, construction administration, pump testing and start-up services. This project was awarded an Engineering Excellence Honorable Mention award from the Florida Institute of Consulting Engineers (FICE). The Medley Booster Pump Station is a project whose implementation provided an innovative, cost-effective solution to chronic problem in the area.
- MCC Pump Station and Force Main, Medley, Florida** - Project consisted of renovations and upgrades to a wastewater lift station that was “piggy-backing” into another pump station, which in turn exhibited more than 10 hour/day in operation. The project consisted of constructing a 1/2 mile long force main and upgrading the pump station to permit manifolding into existing transmission main, thereby allowing both stations to operate well within the 10 hour day maximum. The design included a casing crossing of a railroad spur and sequencing of the work to allow full-time by-passing of the flows and providing uninterrupted flows. The design coincided with that of a booster pump station, which was designed to accommodate the increase in flows.
- Village of Pinecrest Watermain Master Plan, Pinecrest, Florida** - Senior Project Engineer for this project which included the design of over 27 miles of water mains to complete the potable water system of the entire Village. The Master Plan prepared included a computerized hydraulic model of the entire system, participated in public workshops and meetings held to inform and educate the residents of the extensive work and cost involved in the project. The firm also prepared special taxing districts to better explain the finances of the project. Alternate funding from several sources funded the initial 2 phases of construction, including the larger diameter “backbone” system to be constructed.
- City of North Miami Public Utilities Department, North Miami Beach, Florida** - Department Director. Responsible for the administration of a municipal water and sewer department serving 160,000 people in northern Dade County, Florida. Water operations include the a 17.0 MGD water supply wellfield, lime softening treatment plant and water distribution network. Sanitary sewer operations include a gravity collection system, low pressure sewers and pumping and transmission system. The department is composed of 95 technical, administrative, maintenance and construction personnel; including an engineering division, a water quality laboratory, meter testing facilities, among others. The department operates under separate enterprise funds, with an aggregate annual budget of \$20 million. Responsible for short and long range planning; establishment of design criteria and controls; capital improvements and operational budgets. Reported to City Manager and a citizens’ advisory committee of the City Council.
- Sanitary Sewer System Evaluation Survey (SSES) and Repair and Rehabilitation, Medley, Florida** - Prepared a report on the conditions of the gravity collection system in 18 pump station service areas, including gravity pipes, laterals, and manholes, providing cost-effective analyses of necessary repairs, and identifying the sources of infiltration and inflow (I&I) into the system. Developed a priority system for the feasibility of performing the repairs and assisted in obtaining Revolving Fund Loans and Small Community Grants through the Florida Department of Environmental Protection. Repair program reduced I&I from 830,000 gallons per day to 42,000 gpd with an estimated annual savings of \$440,000, which will result in a payback period of 8.3 years of the \$3.65 million in construction costs.



# Pablo Garcia, PE

## Senior Engineer

Pablo has over 7 years of experience and is a Structural Engineer in Stantec's Miami office. His experience includes justice, residential, hospitality, healthcare, sports and mixed use projects.

### Education

Master of Science  
in Civil Engineering,  
University of Miami,  
Miami, Florida, 2010

Bachelor of Science  
- Civil Engineering,  
University of Miami,  
Miami, Florida, 2010

### Registration

Professional Engineer  
#77111, State of Florida

### Select project experience

- **Miami-Dade Children's Courthouse, Miami, Florida** – Project Engineer for 14-story, 378,000 SF courthouse.
- **Judge Seymour Gelber and Judge William E. Gladstone Miami-Dade Children's Courthouse, Miami, Florida** - Project Engineer for 15-story courthouse
- **Miami City Hall Renovations, Coconut Grove, Florida**
- **Cypress Creek Ambulatory Surgical Center, Fort Lauderdale, Florida** - Project Engineer for 2-story, 80,000 SF ambulatory surgical center
- **Bascom Palmer Eye Institute, Naples, Florida** - Project Engineer for 2-story, 22,000 SF clinical eye center
- **Baptist Comprehensive Cancer Center, Kendall, Florida** - Project Engineer for four buildings: Cancer Center, Research Building, 950 car staff garage, 450 car visitor's garage
- **General Funding Office Building, Miami, Florida** - Project Engineer for 7-story, 110,000 SF mixed use building with ground floor retail, 136 car parking garage and 45,000 SF of offices.
- **GLF Headquarters, Miami, Florida** - Project Engineer for 4-story, 50,000 SF office building
- **801 Lincoln Road, Miami Beach, Florida** - Project Engineer for 3-story, 39,000 SF retail building
- **Flagler Station Residence Inn, Miami, Florida** - Project Engineer for 5-story, 90,000 SF hotel
- **Pompano Residence Inn, Pompano Beach, Florida** - Project Engineer for 4-story, 112 room hotel
- **LAN Hangar, Miami, Florida** - Project Engineer for 150,000 SF hanger for Boeing 777 maintenance and office space
- **JetBlue Park, Fort Myers, Florida** - Project Engineer for 11,000 seat spring training ball park for Boston Red Sox baseball team
- **Miami Marlins Ballpark, Miami, Florida** - Project Engineer for 36,000 seat ballpark for the Miami Marlins
- **Roatan Residence, Roatan, Honduras** - Structural Engineer for 3-story, 6,000 SF private residence
- **The Palace Assisted Living Facility, Coral Gables, Florida** - Project Engineer for 9-story, 246,000 SF assisted living facility and 8-story, 565 car parking garage
- **250 Ocean Boulevard, Golden Beach, Florida** - Project Engineer for 2-story, 6,000 SF private residence
- **240 Ocean Boulevard, Golden Beach, Florida** - Project Engineer for 3-story, 6,000 SF private residence
- **Lipscomb Residence, Miami Beach, Florida** - Project Engineer for 3-story, 5,000 SF private residence
- **520 Lakeview Ct, Miami Beach, Florida** - Project Engineer for 2-story, 7,000 SF private residence

# Jeffrey Marcus, PhD

## Senior Environmental Scientist

Dr. Marcus has over 33 years of experience in environmental assessment and regulatory compliance. He joined Stantec Consulting Services, Inc. in 2010, formerly C3TS, prior to which he worked at Consulting Engineering & Science, Inc., a Miami-based environmental consulting firm for 20 years. Dr. Marcus has an extensive background in transportation related impact analysis as required by NEPA (Programmatic, Cat-EX Type II, EA/FONSI and EIS's) and FHWA regulations as well as State Environmental Impact Reports (SEIR) for non-federally funded facilities. His areas of expertise include freshwater and marine ecology, wetland restoration and enhancement projects, and the preparation of environmental assessments and impact statements; particularly in subtropical and tropical habitats. Dr. Marcus has managed numerous biological surveys, air and noise investigations, endangered species impact assessments, wetlands delineations, ecological risk assessments, and has prepared a wide variety of permit applications at the Federal, State and local levels. He is former Environmental Administrator in District 6 and has managed Districtwide environmental contracts since 1990.

### Education

Ph.D., Aquatic Biology,  
University of Lancaster,  
Lancaster, England,  
1978

Bachelor of Science  
in Biological Sciences,  
University of Colorado,  
Boulder, Colorado, 1975

### Memberships

Florida Association  
of Environmental  
Professionals (Former  
President)

### Select project experience

- **Seagrass Restoration in Boca Chica Lagoon, Naval Air Station, Monroe County** - Dr. Marcus designed and permitted the Boca Chica seagrass restoration site located within the Boca Chica Naval Air Station (NAS) near Key West in Monroe County, Florida. The mitigation project consists of restoration of tidal flow in the Boca Chica lagoon through two remedial actions: the construction of a flushing channel through an existing berm to the Atlantic Ocean, and maintenance of an existing cross lagoon flushing channel. Compensatory mitigation was needed for approximately 7.3 acres of seagrass impacted by the US-1 South Two-Lane Safety project. This site has the potential to create approximately 100 acres of seagrass credits that not only fulfill US-1 South/18-Mile Stretch seagrass mitigation requirements, but also provide additional seagrass credits for future FDOT projects. Dr. Jeffrey Marcus successfully permitted the use of the Boca Chica site to mitigate for seagrass impacts resulting from other FDOT projects.
- **Seagrass Restoration in Lake Surprise by Removal of the Causeway, FDOT District 6 (Environmental Project Manager)** - Dr. Marcus permitted and developed the mitigation for the construction of the new Jewfish Creek Bridge over Lake Surprise just north of Key Largo that included the removal of the causeway which provided improved water quality and 5.8 acres of seagrass restoration. The project included design, permitting, construction, monitoring and maintenance.
- **US-1 Two-Lane Safety Project, FDOT District 6, Miami-Dade and Monroe Counties** - Dr. Marcus developed the Boca Chica Seagrass Mitigation Plan, provided expert witness testimony in the State & Federal trials, oversaw monitoring and maintenance of the US-1 upfront mitigation sites including C-109, the Harrison Tract, C-111, and the roadside spoil restoration. He directed the video Return to Nature, oversaw many aspects of construction compliance including removal of the Lake Surprise Causeway and sediment re-use at Keystone Pit and Port Bougainville. Dr. Marcus was responsible for numerous professional presentations, and served as a major representative for all aspects of permitting.
- **Houseboat Row Seagrass Restoration Project, FDOT District 6, Monroe County** - Dr. Marcus oversaw the selection of a contractor to restore 2.61 acres of seagrass habitat at the historic Houseboat Row site located just east of South Roosevelt Boulevard (SR-A1A). He also directed a multi-disciplinary team of technical professionals assisting with the design, MOT development, and environmental and construction oversight. The Houseboat Row site is a historic seagrass flat that was dredged for the mooring of houseboats. The project includes backfilling the area to re-establish the historic elevation for successful seagrass colonization. The proposed project has been authorized and permitted by the U.S. Army Corps of Engineers (USACE) and the South Florida Water Management District (SFWMD) as mitigation for impacts associated with the reconstruction and roadway improvements of North Roosevelt Boulevard (SR 5/US 1).

- **Krome Avenue North Environmental Assessment, Miami-Dade County, Florida, FDOT District 6** - Dr. Marcus oversaw the environmental analysis of the expansion of the 12-mile north-south corridor along the eastern edge of the Urban Development Boundary line in western Miami-Dade County including the preparation of the Environmental Assessment (EA)/Finding of No Significant Impact (FONSI) and supporting environmental documents (WER, ESBA, CSER, NSR, AQR) for the project. This study included a complex alternatives analysis to avoid and minimize wetland impacts as well as extensive agency coordination with USACE, SFWMD, and USFWS for wetland and wildlife impacts.
- **Programmatic Categorical Exclusion and Programmatic Agreement Preparation, National Park Service** – Everglades National Park and Dry Tortugas National Park - Environmental Program Manager for the development of Programmatic Categorical Exclusions and agency consultation documentation in accordance with the National Environmental Policy Act and Director's Order Number 12 for Everglades National Park and Dry Tortugas National Park.
- **Card Sound Road Intersection Environmental Assessment, Monroe County** - Dr. Marcus was responsible for issues relating to wetlands, essential fish habitat, and threatened/endangered species. Even though the project was never funded, the WER, ESBA, and EFH reports were completed. This was a unique project that required complex coordination with the Crocodile Lake National Wildlife Refuge, South Florida Water Management District (wetlands), and the U.S. Fish & Wildlife Service (Key Largo cotton mouse and woodrat). Dr. Marcus represented the Department at many public and agency presentations. He prepared a White Paper that was widely distributed for this 0.5-mile corridor project.
- **Miami-Dade County Water and Sewer Department (WASD) Water & Force Main Replacement Project, Miami-Dade County** - Senior Environmental Permits Coordinator responsible for oversight of obtaining the environmental permits from Federal, State and local agencies for the project. This project also include benthic surveys of the 1,200 linear feet force main and 850 linear feet water main corridors to characterize benthic habitats and resources. Dr. Marcus assisted the U.S. Army Corps of Engineers with Section 7 and Essential Fish Habitat consultations with the National Marine Fisheries Service to streamline the permitting and mitigation process.
- **Project Development & Environment (PD&E) Study for Homestead Extension of Florida's Turnpike (HEFT) from SR 836 to NW 57th Avenue, Miami-Dade and Broward County, Florida, Florida's Turnpike Enterprise** - Dr. Marcus worked as the Environmental Project Manager responsible for the development of the supporting environmental documents, and the corresponding SEIR for this PD&E Study of a 19-mile section of the HEFT for expansion to eight lanes north of I-75 and ten lanes south of I-75.
- **Districtwide Environmental Data & Report Contract in FDOT District 6** - Dr. Marcus as Project Manager has managed over 400 task orders for FDOT. The tasks have varied from the development of NEPA documents (AN's CSER's, air & noise studies, wetland reports, re-evaluations), to the development of presentations and videos (Return to Nature), to expert witness, Dr. Marcus has a solid understanding of the PD&E process, ETDM, Class of Action determination and has an excellent relationship with regulators at Miami-Dade County DERM, SFWMD, FDEP, NOAA Fisheries, USFWS, and USACE. Dr. Marcus has proven to be a problem solver for the Department for over 30 years.
- **Districtwide Mitigation & Maintenance Services Contract, FDOT District 6, Miami-Dade and Monroe Counties** - Project Manager for the design and oversight of numerous mitigation/restoration projects including Summerland Key and Islamorada scrape-downs to restore mangrove habitat, hydrological improvements to the Boca Chica Lagoon to restore seagrass, removal of the Lake Surprise Causeway to restore seagrass and benthic resources, and backfilling of the historic Houseboat Row to provide seagrass habitat.
- **Districtwide Mitigation and Environmental Services Support, FDOT District 4, Broward, Palm Beach, St. Lucie and Indian River Counties** - Principal Environmental Specialist responsible for performing environmental services which include: permitting of mitigation sites, planning and construction activities for the purpose of meeting permit requirements or correcting mitigation site deficiencies, exotic species control and removal in the department's right of way, relocation of endangered, threatened, and rare flora and fauna, and monitoring of the department's construction projects to assure compliance with environmental permit conditions and commitments.

# Matthew Starr

## Coastal / Geologist Specialist

Matthew has 11 years of project management and technical experience in coastal engineering, dredging, beach renourishment, port and marine facilities, coastal structures, hydrographic surveying, ecosystem restoration, asset management, natural resource mapping, water quality, and wildlife biology. Matthew has been responsible for all phases of project delivery including local, state, and federal permitting; design services, construction plans, contract documents/bidding, contractor procurement, and CEI services.

### Education

Bachelor of Science,  
Marine Science/  
Coastal Geology,  
Coastal Carolina  
University, Conway,  
South Carolina, 2006

### Registrations

Professional Geologist  
#2906, State of Florida

United States Coast  
Guard 100-Ton Vessel  
Captain #88206

Authorized Gopher  
Tortoise Agent  
#GTA-16-00033,  
Florida Fish and  
Wildlife Conservation  
Commission

FDEP Erosion,  
Sedimentation Control,  
& Stormwater Control  
Inspector #29474

Transportation  
Worker Identification  
Credential (TWIC)  
#06052479

OSHA 10-Hour/  
Competent Person -  
Excavation

MHSA Mine Hazard  
Safety Training

Open Water Diver,  
Scuba Schools  
International

### Memberships

Florida Association  
of Environmental  
Professionals (FAEP)

### Select project experience

- **Smathers's Beach Renourishment Construction Services\*, City of Key West, Florida** - This project was to assist the City of Key West with the Smather's Beach Nourishment project by providing construction monitoring and permit compliance services. During construction, the project was monitored for sea turtles, marine lighting, placement of sand on the beach, sediment QA/QC, turbidity, topographic survey data collection, and JCP/USACE permit compliance. Matthew was responsible for completing yearly post-construction monitoring reports from 2012 through 2016 to evaluate shoreline and volumetric change analysis within the project area and along profiles east of the project area within Cell 1.
- **Rest Beach Restoration Permitting & Physical and Biological Monitoring\*, City of Key West, Florida** - This purpose of the beach restoration permitting was to place approximately 7,500 cubic yard along Rest Beach adjacent to Atlantic Avenue in Key West. Matthew was responsible for creating a design which included creating a berm with a crest elevation of +4.66 NAVD88 and beach fill at a 10:1 slope extending seaward to existing ground. Establishing the Equilibrium Toe of Fill (ETOF) offshore was critical in the design of a fill template which limited sand from migration onto nearshore seagrass and macroalgae. A biological monitoring plan was established with multiple transects to delineate the seaward edge of vegetation and map benthic habitats using quadrat analysis to ensure that sand placing during construction was not eroding onto any nearshore benthic habitats. As part of the physical monitoring plan, sediment samples were also collected along each transect for geotechnical analysis.
- **Naples Beach Renourishment Truck Haul Projects (2013/2014)\*, Collier County, Florida** - This was a project that was initiated in 2013 and was recurred in 2014. This project was initiated as a result of storm erosion and consisted of hauling more than 225,000 cy of sand in 2013 and 52,000 cy of sand in 2014 from an upland mine more than 50 miles away from the project site utilizing dump trucks. Matthew was responsible for construction oversight, permit compliance, sediment analysis review, turbidity oversight, weekly, contractor/client meetings, and as-built profile review.
- **Collier County Annual Monitoring Reports for Beach Nourishment Projects and Pass Dredging (2010-2014)\*, Collier County, Florida** - This multi-year project between 2010 to 2014 included the analysis of beach profiles along Vanderbilt Beach, Pelican Bay, Park Shore Beach, Naples Beach, and South Marco Island, as well as annual monitoring reports for Caxambas Pass, Doctors Pass, and Capri Pass. Matthew was responsible for analyzing beach survey data, pre/post dredging surveys, and calculating volume change for engineering monitoring reports of beach nourishment and dredging projects along Collier County.
- **Clam Pass Circulation Study, Management Plan, and Water Quality Study\*, Collier County, Naples, Florida** - The project was to complete an assessment of the status and trends in water quality and natural resources in Clam Bay and Moorings Bay. Recommendations were made on future monitoring efforts, a review of the existing circulation models for Clam Bay was conducted, and included the collection of hydrodynamic data from Clam Bay and Moorings Bay. Matthew served as lead coastal scientist responsible for deployment of 7 MicroTide Gauges, 3 Teledyne RD Workhorse Sentinel ADCPs, and 3 Sontek SW 2D Current meters to calculate velocities and flow

\* Denotes projects completed with other firms



exchange rates through both systems. This data was used to provide recommendations to complete permitting. Results also provided guidance for frequency of Pass dredging, fill placement along County beaches, water quality standards, and estimates of habitat restoration

- **Peer Review Services for Naples Beach Nourishment Design\*, Collier County, Florida** - Matthew conducted peer review of the beach nourishment design methodology used for the Vanderbilt, Park Shore, and Naples Beach nourishment design. This peer review included an evaluation of the predicted design life of the nourishment; review of drawings, calculations, modeling results, and construction standards; and detailed analysis and explanation of the total quantity of sand to be placed on the beach as part of the nourishment.
- **Miami Beach 32nd Street Breakwaters Hotspot Engineering Alternatives Study\*, Miami-Dade County, Florida** - Along Miami beach, a series of shore parallel breakwaters were constructed to alleviate erosion issues. As a result, the beach recovered at the former hotspot location, but erosion accelerated down-drift of the structures. This project involved development of a coupled wave/current model using CMS-Wave and CMS-Flow to evaluate flow and sediment transport patterns in the area and develop proposed solutions to the down-drift erosion using the numerical model as well as analytical coastal analysis. Matthew was responsible for designing the new breakwater layouts using AutoCAD Civil 3D.
- **Port Alto Beach Restoration and Wetland Conservation, Calhoun County, Texas** - Matthew was responsible for providing design, permitting, and bidding support to Calhoun County. This project included a combination of beach fill placement and rubble riprap rock structures including a jetty and y-groin designed to retain the sand on the nourished beach. A second phase was designed to add two rubble riprap rock offshore breakwaters and rehabilitate an existing groin. The project placed approximately 8,000 tons of rock and 4,100 tons of sediment from upland sources on the beach to protect the shoreline and intertidal marsh. This project also involved complex state and federal grant timelines and compliance.
- **Gasparilla Island Beach Monitoring\*, Lee County, Florida** - This project involved analysis of beach profiles for volumetric and shoreline changes on Gasparilla Island before and after a beach nourishment project as well as an analysis of the impact and recovery of the offshore sediment borrow area.
- **Bathtub Beach Physical Monitoring\*, St. Lucie County, Florida** - Matthew analyzed physical monitoring data for the May 2010 Bathtub Beach nourishment project to assess project performance and prepared report. This analysis includes evaluation of shoreline and volume change data derived from pre-construction physical monitoring data.
- **I-75/Caloosahatchee River (from SR 80 to SR 78) Bridge Widening Design Services – FDOT\*, Cape Coral, Florida** - This project for the Florida Department of Transportation (FDOT), District One, involved the widening from four to six lanes of a 2.1-mile section of I-75 from SR 80 to SR 78 in Lee County. The project also includes eight bridges including a major waterway crossing over the Caloosahatchee River, as well as a bridge evaluation and study of the existing bridges for compatibility of the six laning with the ultimate ten laning. Services provided include roadway, drainage, environmental permitting, structures, signing and marking plans, right-of-way survey and mapping, environmental cultural assessment, asbestos testing, scour analysis, bridge testing, photogrammetry, traffic control plans, and geotechnical services. For the drainage portion of this project involving models for a predicted 500-year flood event, Matthew was responsible for field data collection using current meters and tide gauges.
- **Bird Colony Island Living Shoreline and Wave Attenuation System\*, Sarasota, Florida** - This project involved creating a breakwater to protect a vital wading bird rookery in Roberts Bay from erosion by constructing a 1,250-linear-foot living breakwater and backfilling with dredged material to create an inland marsh. This area had experienced a considerable amount of erosion due to currents and waves from boat wakes. The project included the stabilization of the shorelines of three vegetated islands. Dredge material was deposited to optimize planting success and further enhance erosion protection. Additional project elements included the siting and installing regulatory navigation signs and buoys. Seagrasses in the footprint of the breakwater were transplanted behind the islands prior to construction. Vegetation plugs were planted on the created marsh areas. Birds were monitored during the entire process, and construction had no significant impact on bird nesting activity. Matthew was responsible for bathymetric surveys, geotechnical investigations, design drawings, volume calculations, construction plans, and construction oversight.

\* Denotes projects completed with other firms

# Edward Dvorak, PE, CCS

## Senior Utility Engineer

Edward has over 46 years of civil, mechanical, fire protection, and environmental engineering, including the design, permitting and construction of pumping stations. He has designed numerous raw water, booster, sanitary, irrigation, sludge and stormwater pumping facilities. His master wastewater pump facility for the City of Pembroke Pines received the ASCE South Florida Section Honorable Mention Award. He has provided consulting engineering and project management services on many stormwater pump station rehabilitation and restoration projects. He has extensive knowledge of the local permitting requirements, and in-depth knowledge of the mechanical and hydraulic design of stormwater pumps, liquid level control systems, engine control systems, fuel delivery systems, and communication SCADA systems.

### Education

Bachelor of Science in Civil Engineering, The Citadel – The Military College of South Carolina, Charleston, South Carolina, 1971

### Registrations

Professional Engineer #40961, State of Florida

Professional Engineer #120831, State of Texas  
Professional Engineer #38366, State of Louisiana

Professional Engineer #20928, Commonwealth of Virginia

Professional Engineer #12951, State of South Carolina

Professional Engineer #12022, State of Kansas

Certified Construction Specifier, Construction Specifications Institute

### Memberships

Member, Water Environment Federation

Member, American Water Works Association

Fellow (1992), American Society of Civil Engineers

### Select project experience

- **Basin D-2 Stormwater Pump Station, Town of Palm Beach, Florida** - Senior Project Engineer for a new municipal stormwater pump station for the Town of Palm Beach, Florida. The project includes preparation of an Engineering Design Report, Drawings and Specifications. The station is designed to discharge up to 55,500 gpm (124 cu ft per minute) to Lake Worth (Atlantic Intra-coastal Waterway). The Station includes three (3) 18,500 gpm electric submersible mixed-flow 200 hp propeller driven pumps within a large reinforced concrete below-ground wet well. The station discharges flow via three (3) large diameter pipes to a discharge structure and then over a spillway into Lake Worth. The control building houses an 800 kW diesel emergency generator, Motor Control Center, the Automatic Transfer Switch (ATS), and the Main Station Control Panel.
- **South Broward Drainage District Stormwater Pumping Station Basin S4 & S5** - Responsible for the project design and specifications for this large 5 pump stormwater pump station. Project required combining two drainage basin stations into one facility. The Basin S-4 required two pumps and Basin S-5 required three pumps. The facility is located in the City of Miramar, Broward County, along the SFWMD. Canal C-9 extension and was constructed in 2000. The station includes 5 large vertical line-shaft propeller pumps all driven by diesel engines.
- **Rehabilitation of the Basin S-3 Stormwater Pump Station for South Broward Drainage District** - Responsible for project design and specifications for the modifications and rehabilitation of this existing station. Project included removal of old pumps, fuel tank, controls, new roof, and trash rack. A new fuel tank, pumps, and controls were designed. Existing engines were modified and reused as drive units for the new pumps. Cost to convert this existing station to a fully automatic facility was \$1.0 million.
- **Basin "A" Stormwater Pump Station, Lauderhill, Florida** - Responsible for a 3-pump stormwater pump station. Project required two 40,000 gpm line shaft axial flow pumps with 145 hp natural gas caterpillar engines. A third pump is provided for back up. Pumps operate in a automatic mode and start when storm stage levels rise. The facility includes a reinforced masonry structure that houses the engines, controls, generator, and SCADA communications equipment. The project was constructed within budget for \$1.5 million.
- **Basin "B" Stormwater Pump Station, Lauderhill, Florida** - Responsible for the design and specifications for a 2-pump stormwater pump station. Project required a 44,000 gpm line shaft axial-flow pump with a 145 hp natural gas caterpillar engine. Second pump is a back up. Station operates under an automatic mode. A reinforced masonry structure houses the engines, controls, generator, SCADA, etc. Project included up-stream canal bank improvements. Projected cost \$2.3 million.
- **Basin S-8 Stormwater Pump Station for South Broward Drainage District** - Responsible for project design, and specifications and construction management for this large 150,000 gpm triplex pump station. Station included three 75,000 gpm vertical propeller pumps driven by 250 horsepower diesel engines. Emergency generator set and state of the art controls provided for two-speed operation.

- **Basin S-8 Canal Improvements, South Broward Drainage District** - Approximately 3 miles of canals were widened and deepened for \$2 million. Work included large reinforced concrete culverts to 96" in diameter, concrete revetment, endwalls, roadwork, guardrails, bank stabilization, fencing and landscaping.
- **Wastewater System Improvements, John Pennecamp Coral Reef State Park, Florida** - Responsible for the design, specifications, and permitting to redirect sewage flows from private WWTP to the new regional collection and transmission system and ultimately to the Key Largo WWTP. The old WWTP and reuse plant was demolished and new FM's directed flows to a new vacuum wastewater collection/transmission system.
- **Turnpike Crossings, Lauderhill, Florida** - Responsible for the design drawings and specifications for four (4) horizontal directional drillings (HDD) beneath the Florida Turnpike with 36" HDPE (high density poly ethylene) as a casing pipe and 24" carrier pipe for both water mains and force mains.
- **Rehabilitation of Main Sewage Pumping Station, Bill Baggs Cape Coral State Park, Florida** - Responsible for total design and rehabilitation of the 40 year old facility. Design was unique with only single-phase power new station pumps, motor required 3-phase power. Solution was to add a pair of VFD's to convert power phase and drive new pumps.
- **Large Diameter Ocean Outfall, Broward County Utilities Department, Florida** - Inspection and construction administration services for the 54" diameter ductile iron pipe approximately 12 miles from WWTP to ocean. Outfall ran past the third reef about 71,000 feet and approximately 120 feet deep. Special diver-engineers were used to inspect underwater pipeline.
- **Ejector Station Upgrades, Town of Palm Beach, Florida** - Responsible for engineering study, design, and specifications for the replacement of 21 pneumatic sewage pump stations. Project included the replacement of over 11,000 linear feet of FM pipe and 9,000 feet of compressed air piping.
- **Wastewater Treatment Unit No. 1 Rehabilitation, Davie, Florida** - This project included by-passing all flow to plant and a complete structural rehabilitation to this 1 million gallon steel circular WWTP. Work included steel repairs, epoxy floor, mechanical equipment, new blowers, steel pipe header, down pipes, diffusers, railings, bridges, handrails, and comminuter.
- **Effluent Disposal Pump Station, Pembroke Pines, Florida** - Project manager for specifying five large (14,000 gpm) effluent pump stations that pump effluent into two deep injection wells. Effluent discharge wells are 24" diameter and 3500' deep. Included variable speed pumps, motor controls, and surge protection systems.
- **Chlorination System at the Pembroke Pines Wastewater Treatment Plant, Pembroke Pines, Florida** - Designed and specified the chlorination system and chlorine building for this large 8.0 MGD Plant.
- **N.E. Sanitary Sewer System Design and Construction, Davie, Florida** - Responsible for the design analysis and preparation of the construction documents for a newly annexed portion of the Town. Project included two complete collection service areas with two large pumping stations. Construction cost was approximately \$1.5 M.
- **Rehabilitation of Twin Elevated Water Storage Reservoirs, City of Hollywood, Florida** - Responsible for the study, design, and specifications for the complete renovation and rehabilitation of two (2) 1 MG steel water storage tanks. Constructed in the mid 1950's, these tanks required major structural repairs and mechanical repairs. Both tanks were taken out of service and water blasted and sand blasted to bare metal and repainted. New city logo added.
- **NW 16th Street Water Main and Sewer Force Main, Lauderhill, Florida** - Responsible for 3,100 L.F. of 16" DIP; 400 L.F. of 16" HDPE Pipe (HDD under US-441); and 800 L.F. of 12" DIP for this project. The main purpose of this wastewater transmission main project is to provide wastewater service to new development in the east portion of the City; in particular to the new Central Broward Regional Park, new developments such as Georgetown, and to provide pump station flow relief. A large 16" diameter HD polyethylene pipe crossing under US-441 was required.
- **Ferndale 20" Water Main, Delray Beach, Florida** - Senior Project Engineer responsible for the design of a new 20-inch diameters ductile iron water main approximately 4,000 feet long. Project included two aerial canal crossings of the Lake Worth Drainage District canals. Additionally project included detailed investigations of utilities and possible conflicts along route of the main. The project construction cost was approximately \$800,000.00. Also performed construction administration during construction phase.

# Dave Clarke, PE, CFM

## Utility Engineer

Dave has over 15 years of experience on numerous public infrastructure projects for state agencies, counties and municipalities in South Florida. His experience includes the design, permitting and construction inspections for multiple water distribution mains and sanitary sewer force mains. He has extensive permitting experience with many of the regulatory agencies including the Department of Environmental Resources Management (DERM), Florida Department of Transportation, South Florida Water Management District (SFWMD), Department of Environmental Protection, Miami-Dade County Water and Sewer Department, Department of Health, and Miami-Dade County Public Works Department. Dave also has experience as a project engineer on pump stations, storm drainage, sanitary sewers, force, Sanitary Sewer Evaluation Studies (SSES) and Sanitary Sewer Repair and Rehabilitation (SSRR) projects. He is proficient with various engineering software tools such as AutoCAD, ArcGIS, MathCAD, Excel, MircoStation, MicroPaver, and HEC-RAS.

### Education

Bachelor of Science in Civil Engineering, Florida International University, Miami Beach, Florida, 2002

Master of Science in Civil Engineering, Florida International University, Miami Beach, Florida, 2008

Coordination, Cost Estimate & Billing Certification, FUCC Utility Coordination, Florida, 2010

Construction Certification, FUCC Utility Coordination, Florida, 2011

Advanced Maintenance of Traffic Certification, FDOT, Florida, 2012

Design Certification, FUCC Utility Coordination, Florida, 2012

### Registrations

Professional Engineer #66553, State of Florida

Professional Engineer #040056, State of Georgia

Certified Floodplain Manager #US-12-06737, State of Florida

### Select project experience

- Miami-Dade County Roadway Improvements, Miami, Florida** - Inspector for this project which consisted of supervising all operations necessary for the construction of a new 4-lane divided roadway along SW 157th Avenue including a new bridge over the C-IW Canal. The work included new sidewalk, curb and gutter, median, a storm water drainage system, signage, pavement markings, signalization, and street lighting. The scope also included new construction of a 2-lane roadway on SW 120th Street; construction of a new 16" water main along SW 157th Avenue; construction of 16" water main along SW 120th Street; and installation of a 36" sewer force main along SW 157th Avenue, as part of the overall wastewater master plan to complete a connection north of SW 112th Street.
- Homestead Extension of Florida's Turnpike (HEFT) (SR 821) Eureka Drive (SW 184th Street) to Killian Drive (SW 104th Street) Design Build with BCC Engineering and De-Moya Group** - Improvements of HEFT (approx. 5.5 miles) which includes Express Lanes, Bridge Construction, sound walls, drainage, ITS, lighting and utility relocations. Sr. Utility Coordinator responsible for identifying the list of all existing utility agency/owners (UAO) and development of utility conflict matrix. Identify the general locations of all existing facilities including the facility type, size / voltage, pipe material, etc. Work with lighting, signals, tolls, future toll sites and ITS to determine service points. Hold a design build utility information meeting to discuss the project scope with UAO's. Identify how the utility exists (i.e., within the public roadway right-of-way, within easement, on private property, previously subordinated, etc.). Request soft digs at critical locations to determine if utility is in conflict. If relocation is required to accommodate the project, request cost estimates, Utility Work Schedules, Agreements etc.
- City of Doral Pavement Evaluation and Five-Year Maintenance & Rehabilitation Plan, City Doral, Florida** - Engineer of Record responsible for developing Pavement Management System (PMS) for approximately 57 miles of City owned road. Automated field data of pavement distresses were collected and loaded into MicroPaver to determine Pavement Condition Index (PCI). The PCI is a subjective method of evaluating distresses in pavement by providing a numerical rating between 0 and 100 where 0 is worst and 100 is best condition. Utilizing MicroPaver, prediction /deterioration models were developed to predict future pavement conditions and identify Maintenance and Rehabilitation (M&R) projects. C3TS completed a final report which included a strategic Five-Year M&R work plan and a budget analysis to address these projects. The recommended projects were integrated into a City map using GIS which was presented to the Council for approval. At the end of the Five-Year M&R work plan, the City of Doral would achieve an overall area weighted PCI of 93 for the entire roadway network by the end of the work plan period.
- City of Coral Gables Citywide Assessment of all City Owned Roadways, Coral Gables, Florida** - Engineer of Record responsible for the City wide assessment of approximately 240 miles of pavement condition in the public rights-of way within the City limits. A condition rating was assigned to each roadway section and the recommended streets to be improved were integrated into a City aerial map using GIS. This map was reviewed analyzed with City staff and eventually served as the City's Pavement Capital Improvement Plan. Using this Capital Improvement Plan,



construction documents which included 11x17 plans, specifications, project manual and cost estimates were developed in two phases for resurfacing and rehabilitation.

- **Homestead Extension of Florida's Turnpike (HEFT) (SR 821) Bird Road (SW 40th Street) to SR 836 RFP Development -** Improvements of HEFT (3.15 miles) which includes Express Lanes, Bridge Construction, sound walls, drainage, ITS, lighting and utility relocations. Sr. Utility Coordinator responsible for identifying the list of all existing utility agency/owners (UAO): Agency, name, address, phone(s), email. Identify the general locations of all existing facilities including the facility type, size / voltage, pipe material, etc. (obtain the utility "greenlines" from all identified UAO's). Work with lighting, signals, tolls, future toll sites and ITS to determine service points. Hold a design build utility information meeting to discuss the project scope with UAO's. Identify how the utility exists (i.e., within the public roadway right-of-way, within easement, on private property, previously subordinated, etc.). Identify UAO's special concerns or risk and how could it be mitigated. If relocation is required to accommodate the project, obtain a ballpark (order of magnitude) cost estimate for relocation and if the UAO require additional right-of-way or could relocation occur within the existing right-of-way envelope. Review and comment of Design-Build Firms letters of Interest as it relates to utility coordination.
- **SW 264th Street Improvements (US 1 to SW 137th Avenue), Miami-Dade County, Florida -** Project Engineer involved with the design for the proposed street improvements for SW 264th Street (approx. 0.74 miles). Design elements included a new configuration for SW 264th Street with a two lane divided roadway within an 80 foot right of way. The proposed corridor design consisted of standard travel lanes, bicycle lanes; parking stalls with landscape bump-outs after every second parking stall, a landscaped median, traffic separator, standard curb and gutter, sidewalk, school bus drop-off, pavement marking and signage, roadway lighting and report, school zone with applicable markings, signs and flashers, and modification of existing traffic signal at US-1. Design elements of storm water management included over 3,150 feet of exfiltration trench, 2,000 feet of solid pipe, 45 drainage structures, pollution control structure with an emergency overflow into Naranja Canal with a rip-rap end-wall and manatee grate. Duties also included preliminary field investigations, utility coordination, computation book, drainage report, detailed cost estimates and permitting through DERM.
- **South Miami Downtown Improvements Phase IV, South Miami, Florida -** Civil Designer involved with street and drainage improvements. Design elements included over 200 feet of exfiltration trench, 200 feet of solid pipe, ten drainage structures, milling and resurfacing of roadway, side walk, curb and gutter stripping & signing landscaping and irrigation and maintenance of traffic (MOT) plans. Also responsible for the production of demolition, geometry paving grading and drainage, typical sections and detail, landscaping and irrigation plans. Duties also included drainage report and detailed cost estimates.
- **Village of Pinecrest Pavement Evaluation and Four-Year Maintenance & Rehabilitation Plan, Village of Pinecrest, Florida -** Engineer of Record responsible for developing Pavement Management System (PMS) for approximately 120 miles of Village owned road. Automated field data of pavement distresses were collected with Stantec's RT3000 vehicle and loaded into MicroPaver to determine Pavement Condition Index (PCI). The PCI is a subjective method of evaluating distresses in pavement by providing a numerical rating between 0 and 100 where 0 is worst and 100 is best condition. Utilizing MicroPaver, prediction/deterioration models were developed to predict future pavement conditions and identify Maintenance and Rehabilitation (M&R) projects. Stantec completed a final report which included a strategic Four-Year M&R work plan and a budget analysis to address these projects. The recommended projects were integrated into a Village map using GIS which was presented to the Village Council for approval.
- **Via Vizcaya Drainage Improvements, Palm Beach, Florida -** Civil Designer involved with street and drainage improvements. Design elements included over 750 feet of solid pipe, sixteen drainage structures, and roadway restoration. Also responsible for the production of demolition, geometry paving grading and drainage, typical sections and detail. Duties also included drainage report and detailed cost estimates.
- **SR 862 (I 595) West of 136th Street to east of the Turnpike, Design Build P3, Broward County, FDOT District 4 -** Senior Utility Coordinator for the proposed P3 improvements of an approximate 10-mile section of SR 862 (I 595) west of 136th Street to east of the Turnpike. The project includes the coordination of conflict resolution with a total of 18 UAO facilities in the area of the project. Responsible for the design and development of Utility Adjustment Plans and cost estimates for relocation work. Responsible for producing plans specification and cost estimates for the relocation of facilities owned by the City of Sunrise and the Town of Davie, and for coordinating reimbursable agreements with all UAO facilities in the area of the project.

# Elvira Freire, AIA, LEED AP

## Senior Architect

Elvira has over 22 years of experience with public and private sector projects. She has served as project manager, project architect, job captain, and architectural designer for both large and small scale projects through the design development stage, construction documents, permitting, and construction administration. Her experience includes new construction, renovation to existing facilities, and interior design for commercial & corporate clients. Her governmental project experience has included several projects for various South Florida municipalities, working on parks and recreational facilities. Additionally, she has worked with Florida Department of Transportation and Florida International University as well as cities in Miami-Dade and Broward Counties.

### Education

Bachelor of Arts  
in Architecture,  
University of Miami,  
Miami, Florida, 1995

### Registrations

State of Florida  
Registered Architect  
No. 95213

LEED Accredited  
Professional, U.S.  
Green Building Council

### Select project experience

- **Miami Beach Restrooms & Concessions Facilities, Miami Beach, Florida** - Project Manager for these facilities which designed these restroom and concession facilities in response to the Arts in Public Places Committees requirements' to expend funds at these locations. The firm was extremely proud to have been selected, to provide the design these much needed facilities. Each street head (6th, 21st, 29th, 35th, 46th, 53rd, and 64th) will act as location markers and be each visually distinctive from the other in order to promote way-finding along the beach as well as provide a level of whimsy to what has been traditionally a very dour program.
- **Lincoln Road, Miami Beach, Florida** - Project Manager for the design of Lincoln Road to include the redesign of several existing fountains for focal points along the mall and pole mounted and landscaping lighting to add to the ambiance of the space.
- **Golden Beach Capital Improvements Plan, Town of Golden Beach, Florida** - Architectural design Project Manager for the comprehensive Capital Improvements Master Plan focused on major improvements along State Road A1A (Ocean Boulevard). The master plan consisted of the design for a 4 lane divided road, improved public safety, traffic calming, streetscape improvements, sidewalks, lighting, landscape improvements and entry features into the town.
- **Florida Department of Transportation-District VI, North Dade Maintenance Facility (Phase I, II, III)** - Project Architect for the Design/Build of FDOT District VI North Dade Maintenance Facility. The Project included full site development of an eight-acre parcel; 12,000 s.f. office; eight-bay truck maintenance garage; 8,000 s.f. warehouse; miscellaneous outbuilding structures; truck wash facility and auto/truck parking. The total cost of the Project was 4.8 million.
- **John F. Kennedy Causeway Improvements, North Bay Village, Florida** - Architectural design Project Manager for the Master Plan and the redevelopment of the Causeway, the commercial corridor of the City. The project consisted of a master plan that encompassed the of a design for a 6 lane divided road, improved public safety, streetscape improvements, sidewalks, lighting, landscape improvements, a buffer wall for the Village's residents and entry features, which would provide a new image of the Village.
- **Miami Gardens Aesthetic Improvements, Miami Gardens, Florida** - Project Manager in charge of the design for the purpose of dovetailing Miami Gardens Drive's aesthetic context with the current proposed mainline toll plaza reconstruction project. As part of the Turnpikes on-going mainline toll plaza's aesthetic concept; FTE's design for the plaza was developed with the idea of creating a gateway to Miami-Dade County as a whole, as well as to serve as a prominent focal point of the community for the City of Miami Gardens. The design of the overpass created the focal point and established a gateway at Miami Garden Drive's intersection with the Turnpike.
- **Crandon Boulevard Master Plan, Village of Key Biscayne, Florida** - Architectural design Project Manager for this project that takes an existing suburban style highway and transforms it into a center of community activities. By promoting the safe and secure transit of all types of vehicles

and pedestrians, this CPTED-friendly design also serves to create a source of identity for the community connecting retail, residential, public parks and government facilities into a cohesive design. The project consisted of a master plan that encompassed the design for a 4-lane divided road, improved public safety, easing of traffic congestion, traffic calming, pedestrianization, improved mass transit, streetscape improvements, sidewalks, lighting, and a roundabout. This project, divided into three phases, will provide the Village with a reference for the traffic and public safety impacts of future development or redevelopment of properties fronting Crandon Boulevard and its side streets.

- **Grapeland Aquatic Park, Miami, Florida** - Project Manager in charge of the architectural design for a 10-acre, \$20 million urban park as part of the area renewal and airport improvement district. This project took an underutilized and poorly planned tournament complex and transformed it into a regional, needs-based park which includes a water theme park as well as a state-of-the-art baseball tournament complex. The needs for access and parking encroachment into the surrounding areas were identified as one of the principal complaints by the stakeholders as this program was developed. As such, the design of Grapeland Park, located adjacent to a densely populated urban neighborhood, is able to accommodate both multi-modal transportation access and all required parking. Employing the CPTED principles of clear way-finding, the design for this park allows users of these diverse programs to coexist within this limited site by sharing a clear and intuitive organization.
- **Gibson Park, Miami, Florida** - Project Manager in charge of the architectural design for a 9-acre, \$10 million urban park as part of the area renewal and community redevelopment district. This Silver LEED Certified project consists of a 6,400 s.f. recreation center, 4,000 s.f. renovated community center, 15,000 s.f. basketball gymnasium, bowling alley, concession area, football and baseball fields and an aquatic center, all of which will be completed in two phases. The development of the park was carefully arranged to meet the program requirements while working within strict space limitations. Taking these limitations into consideration, the firm worked to develop footprints and a site layout that uses the space available in the most efficient manner.
- **Coral Springs Fire Academy, Coral Springs, Florida** - Project Manager for a Feasibility Study for the Coral Springs Fire Academy on a 3.9 acre site adjacent to the City's Vehicle Maintenance and Public Works Center. The project includes 3 large apparatus training bays and 1 maintenance training bay; 4 training rooms seating 40 persons and 4 rooms seating 30 people; instructors' offices; library; computer lab, medical technical training facilities; locker/dressing rooms; toilets and other spaces. The gross area of the Training build will be approximately 30,000 s.f. In addition, there is to be a multi-story tower; burn pits' vehicle fire facilities; a combined police and fire two story rescue building and roadways with multiple fire hydrant connections.
- **Uleta Community Center, North Miami Beach, Florida** - Project Architect for the redesign of a five-acre site. Elvira oversees the demolition of two existing structures and two new pools to be constructed into three phases. In order to satisfy the community's growing needs, the City of North Miami Beach enlisted Stantec to renovate the existing Recreation Center at Uleta Park. The existing building consisted of an outdated gymnasium and detached recreation center which was too small to accommodate all the necessary community programs. Stantec provided a master plan of the five-acre site to be built in phases. Phase 1 consisted of the interior renovation of the gymnasium and demolition of the existing recreation center. A new community center was designed that is attached to the existing gymnasium to provide a better connection between the buildings and provide one main entrance into the facility. Adjacent site improvements were also included in Phase 1 construction.
- **Shoppes at Sunset Place, South Miami, Florida** - Project Manager for the architectural design to renovate the existing retail center. The project included the redesign of an existing 8,000 s.f. concrete plaza into a landscaped urban park as well as a new façade and entry plaza along Sunset Drive creating a new look for the retail center.
- **Oakes Road Fire / Rescue Station, Davie, Florida** - Assistant Project Manager for this 2-story, 15,000 s.f. station that is located on a 13-acre site adjacent to SR-7. The project includes 3 large apparatus bays, offices, day room, kitchen, fitness room, and sleeping quarters for the Fire/Rescue personnel. This station is sited in the eastern/industrial part of town and the architecture of the building reflects a more industrial character. The 3-story tower will serve as a beacon for the station and its surroundings. Construction cost is estimated at approximately \$2 million.

# Scott Buttari, ASLA, LEED AP

## Senior Landscape Architect

Scott has over 18 years of experience with master planning and construction document preparation for county and neighborhood parks, commercial centers, office parks, streetscape projects, golf course and residential communities, and hotel and resort developments. His LEED Accreditation recognizes his ability to incorporate design, construction, and maintenance techniques that increase energy efficiency and reduce impacts on health and the environment. His designs reflect the successful incorporation of the natural environment in all development projects.

### Education

Bachelor of  
Science, Landscape  
Architecture,  
University of Florida,  
Gainesville, Florida,  
1999

### Registrations

Registered Landscape  
Architect #0001756,  
State of Florida

### Memberships

Junior Leadership,  
Board of Directors,  
Leadership Manatee

Green Business  
Initiative Committee  
Member, Manatee  
Chamber of Commerce

Director, Florida  
Planning and Zoning  
Association

Member, American  
Society of Landscape  
Architects

### Select project experience

- **Sarasota Bayside, Sarasota, Florida** - Landscape Architect responsible for conceptual design and programming to re-position this high-profile waterfront site. Sarasota Bayside is a planned luxury development in the heart of downtown Sarasota that calls for a mix of high end condominiums, hotels, retail space, and restaurants, with connectivity between the Bayfront Cultural District and Downtown.
- **Tidewater Preserve Master Planned Community, Bradenton, Florida** - Landscape Architect responsible for planning and environmentally sensitive design of a unique riverfront boating community. Tidewater Preserve is a master planned, 993-unit mixed-use residential development including 10-story condominiums and a boat basin adjacent to the Manatee River. The site is bisected by I-75.
- **Village on the Trail, Nokomis, Florida** - Lead Landscape Architect responsible for the mixed-use TND Master Plan. Village on the Trail required processing and permitting services for a Development of Critical Concern (DOCC) and associated rezoning for this 220-acre, mixed use project located on State Road 681 in Sarasota County, Florida. This project will be developed as a neo-traditional mix of 1,950 residential units, 220,000 s.f. of retail/office and civic open space, and will incorporate the “Rails-to-Trails” corridor in a regional planning effort.
- **Selby Five Points Park, Sarasota, Florida** - Project Manager for this project. Scott worked with the Downtown Improvement District Board of Directors of Sarasota to facilitate two design workshops to finalize a design direction for an important green space in the heart of the City of Sarasota. The workshops focused upon developing the proper renovations and program elements which would re-energize the park space. Prepared a series of concepts and visualizations which provided the basis for a consensus plan to be presented to the City Commission for approval. Project included removing the pedestrian barrier and providing re-grading of the site and an addition of a new meandering pathway. The reconfigured park now includes a performance platform with lawn and plaza seating, three public art locations, enhanced site lighting and reconstructed landscape and irrigation.
- **Parrish Village Commercial Design Standards, Manatee County, Florida** - Lead Landscape Architect responsible for creative concept design and production of detailed site construction documents. Stantec drafted the commercial design standards to allow for development and redevelopment of the commercial area along US 301 in the Village of Parrish. Stantec met with landowners and provided technical assistance to the County during the adoption of the Village Overlay District, which is now a part of the Manatee County Land Development Code. A conceptual alternative design for US 301 through the Village as a “Complete Street” was also provided, allowing for a frontage road with on-street parking, and reducing the design from six-lanes to allow for context sensitive design.
- **Greenbrook East County Park at Lakewood Ranch, Manatee County, Florida**- Lead Landscape Architect responsible for conceptual design and production of detailed site construction documents for this 15-acre public park. The project includes a restroom/picnic pavilion; play ground; soccer fields, multi-use fields, stormwater management system; parking and traffic circulation areas, and walking paths. The park is located between a multi-family development and a public school, and providing pedestrian connectivity between the two sites was a key element of the design.



- Greenbrook East County Park at Lakewood Ranch, Manatee County, Florida - Landscape Architect responsible for conceptual design. Serving the Greenbrook residential development in Lakewood Ranch, this park project includes restroom and picnic pavilion, playground, skate park, soccer fields, baseball field, sidewalks, trails, and associated parking. Also included in the park design is the extension of the community's main roadway and the associated utilities. Because the park site is adjacent to the Braden River, portions of the site lie within the river's floodplain.
- **Lake Uihlein Boat Ramp & Dock at Lakewood Ranch, Manatee County, Florida** - Landscape Architect responsible for conceptual design and production of detailed site construction documents. This site is located between two existing wetlands and provides access for residents of Lakewood Ranch to utilize Lake Uihlein. The design required creative space planning and included a parking lot between the wetlands to the banks of Lake Uihlein where the boat ramp and dock are located, and minor utilities.
- **Bahia Vista - Lockwood Ridge Floodplain Reclamation, Sarasota County, Florida** - Landscape Architect responsible for the conceptual master plan of the multi-use trail component of the project including design of the trail, seating areas, picnic area, canoe launch, landscape enhancements, and other amenities. The Bahia Vista - Lockwood Ridge Floodplain Reclamation project consisted of designing and constructing a 0.5 mile long earthen levee along Phillippi Creek, a 36,000 gpm stormwater pump station, floodplain compensation storage areas, and drainage conveyance improvements. The floodplain reclamation project encompasses approximately 125 acres and removes over 100 homes from the Phillippi Creek floodplain.
- **Heron Creek Master Planned Community, Sarasota County, Florida** - Landscape Architect responsible for establishing residential landscape guidelines to allow for flexibility in design, while also providing a high-quality, cohesive landscape throughout the community. The 831-acre Heron Creek development includes 27 holes of golf, 1,900 residential dwelling units, 500,000 s.f. of retail/service, and 250,000 s.f. of office space. The focal point of the community is the Town Center, which provides a central location for services and facilities oriented toward the community's resident's recreation, medical and retail needs, and provide a town center, including a new City Hall in the City of North Port.
- 
- **Capital Circle SE Phase 3, Tallahassee, Florida** - Lead Landscape Architect responsible for the preparation of preliminary plans, final construction documents and maintenance plan for the 1.5-mile expansion of the existing two-lane roadway to four lanes. The design will meet FDOT requirements and the Blueprint 2000 Multi-modal Design Guidelines as well as blend seamlessly into the previously constructed phases of Capital Circle. Incorporation of native plantings and the minimization of small turf areas will reduce maintenance while providing a pleasant experience for both vehicles and pedestrians utilizing the 10-foot wide meandering pathway.
- 
- **Honore Avenue Improvements (Bee Ridge Road to Fruitville Road), Sarasota County, Florida** (Landscape Architect)
- Responsible for incorporation of bio-retention areas with appropriate plant materials and naturalistic clustering of median plantings to create an aesthetically pleasing Low Impact Development (LID) model. This design-build contract entails the 2.5-mile extension a critical missing link of one of the few north-south thoroughfares in the County. The result will be the standard context for sensitive design and Low Impact Development strategies in the region. Imaginative lane and median configuration saves more than 75% of the existing high value trees within the previously dedicated right-of-way.
- **East Bradenton Neighborhood Streetscape Design, Bradenton, Florida** - Landscape Architect responsible for conceptual streetscape design. Stantec provided a neighborhood vision plan for the East Bradenton area. Responsibilities included site inventory and analysis of existing pedestrian, vehicular, and recreational facilities, meetings with neighborhood groups, conceptual vision plan preparation, project summary document preparation and presentation to the City of Bradenton Downtown Development Authority.
- **Downtown Improvement District Master Plan, Sarasota, Florida** - Project Manager responsible for development of an overall master plan. Stantec assisted the Development Improvement District (DID) of Sarasota in preparing an overall Master Plan of the Dependent Tax District created in 2008 for the "downtown core" area of the City. To aid in realization of improving the "downtown ambiance", services included a public workshop, preparation of an opportunities and constraints map. Preliminary design sketches, and preliminary cost estimates for the capital improvements.

# Adam Markle, ASLA, CLARB, LEED AP

## Senior Landscape Architect

Over the course of greater than a decade, Adam has been providing a broad range of consulting services to both public and private sector clients, all the while crafting thoughtful and inspired designs and project solutions. The focus of his work includes land-use planning and design as well landscape architecture for facilities and infrastructure projects of various scale and scope. His LEED Accreditation recognizes his ability to incorporate design, construction, and maintenance techniques that increase energy efficiency and reduce impacts on health and the environment. Adam provides his clients with responsible, aesthetically pleasing designs that fuse the functions of the project into a cohesive, efficient system.

### Education

Bachelor of Landscape Architecture, College of Architecture and Planning, Ball State University, Muncie, Indiana, 2004

### Registrations

Registered Landscape Architect #6667098, State of Florida

LEED Accredited Professional, U.S. Green Building Council

### Membership

Certified Professional, Council of Landscape Architectural Registration Boards

Member, American Society of Landscape Architects

### Select project experience

- **Reynolds Street Pier, Key West, Monroe County, Florida** - Landscape Architect for the design and permitting of a historic scenic overlook on the Reynolds Street Pier for Monroe County. Services include landscape architecture, civil design, and structural services for renovation of an existing historic pier including wayfinding signage, interpretive signs, viewing areas, and a visitor welcome area complete with pavilion, benches, and landscaping. Project was funded by FDOT LAP funding with federal involvement.
- **Park and Marina, Grand Cayman, Cayman Islands** - Landscape Architect providing boating access was the impetus behind the development of this facility located in the resort area of beautiful Grand Cayman. Stantec provided landscape architecture services for this project which includes 20 boat slips, boat ramp and parking area, as well as picnic and community use facilities.
- **Lake Uihlein Boat Ramp & Dock at Lakewood Ranch, Manatee County, Florida** - Land Planner for this contract. This site is located between two existing wetlands and provides access for residents of Lakewood Ranch to utilize Lake Uihlein. The design required creative space planning and included a parking lot between the wetlands to the banks of Lake Uihlein where the boat ramp and dock are located, and minor utilities.
- **Bowlees Creek, Manatee County, Florida** - Land Planner for this project for which Stantec provided planning, surveying, engineering and permitting services for this project which was a former mobile home park located in the urban core of Manatee County on US 41. Originally approved as a 163 unit condominium development with boat slips, the re-design permitted an alternative plan with 166 condominium units, marina and dry storage boat facility.
- **Lakewood Ranch Master Planned Community, Sarasota County, Florida** - Land Planner responsible for assisting project landscape architect in creative concept development, site design, and construction document preparation of multiple projects within this more than 12,000-acre premier residential development and destination resort including residential neighborhoods, and commercial/retail and industrial facilities. Stantec has provided a full range of professional services for entitlement procurement, infrastructure component improvements, and land development activities throughout the evolution of the 31,000-acre Lakewood Ranch community straddling Sarasota and Manatee Counties. At build-out, over 23,000 residential units, 3.8 million s.f. of retail/commercial, 8 million s.f. of office and 4.5 million s.f. of industrial land uses will be accommodated.
- **Downtown Improvement District Master Plan, Sarasota County, Florida** - Land Planner for this contract for which Stantec assisted the Development Improvement District (DID) of Sarasota in preparing an overall Master Plan of the Dependent Tax District created in 2008 for the “downtown core” area of the City. To aid in realization of improving the “downtown ambiance,” services included a public workshop, preparation of an opportunities and constraints map and preliminary design sketches, and developed preliminary cost estimates for the capital improvements.
- **Westfield Siesta Key, Sarasota County, Florida** - Landscape Architect for this project entails the expansion and renovation to add 228,000 s.f. to the existing mall in four phases of redevelopment. Project challenges include the resolution of traffic concurrency, neighborhood traffic impacts, US 41

stormwater outfall relocation, coordination with the City's plans for upgrading of Siesta Drive along the project's frontage, minimizing construction impacts for existing tenants, and complying with current regulatory criteria for stormwater management criteria on a fully developed site.

- **Jacaranda Boulevard Extension Design-Build, City of Venice, Florida** - Landscape Architect for the design-build contract of design, permitting, and construction of 1.1 mile of new arterial roadway within the City of Venice and Sarasota County. The project includes the two outside travel lanes of a divided, ultimate four-lane roadway, bicycle lanes, sidewalk, multi-use path, closed drainage, street lighting, utility relocations, and a landscaped median. The resulting award also puts us in the advantageous position to cross-sell additional potential services including additional utility design, site design and permitting, land surveying, and landscape architecture design for adjacent lands.
- **Cattlemen Road Widening and Improvements Design (Bee Ridge Road to Fruitville Road, Sarasota County, Florida)** - Land Planner responsible for oversight of preparation and management of entitlement applications and permitting support. Sarasota County engaged Stantec to design improvements for approximately 2.8 miles of Cattlemen Road from Bee Ridge Road to Fruitville Road. The improvements included widening the existing two-lane roadway to four lanes with center left turn lanes, bike lanes, curbs and gutters, sidewalks, and street lighting.
- **Toledo Blade Boulevard Widening Design, Sarasota County, Florida** - Land Planner responsible for assisting project landscape architect with landscape planting design, monument signage and solar lighting design, lighting plan and irrigation plan design coordination, as well as preparation of the landscape construction document package. Stantec was retained to provide the design for the widening of Toledo Blade Boulevard from US 41 to I-75 (five miles) from two lanes to four lanes. The project includes new raised medians, establishment of an access management plan, five new traffic signals, two new bridges, street lighting, drainage facilities, and landscaping.
- **Honore Avenue - Phase V, Sarasota County, Florida** - Land Planner for this contract for which Stantec provided surveying, design, landscape architecture and permitting services for the construction of Honore Avenue from its current southern terminus to State Road 681. This 14,000 linear feet of new roadway is intended to serve future development parcels within Palmer Ranch and provide a critical alternative north-south roadway through central county.
- **Honore Avenue Improvements (Bee Ridge Road to Fruitville Road), Sarasota County, Florida** - Land Planner for this design-build contract that entails the 2.5-mile extension of a critical missing link of one of the few north-south thoroughfares in the County. The result will be the standard context for sensitive design and Low Impact Development strategies in the region. Imaginative lane and median configuration saves more than 75% of the existing high-value trees within the previously dedicated right-of-way.
- **Roundabout at Venice Avenue and Jacaranda Boulevard, Sarasota County, Florida** - Land Planner responsible for assisting project landscape architect with landscape planting design, monument signage and solar lighting design, lighting plan and irrigation plan design coordination, as well as preparation of the landscape construction document package. Stantec performed the conceptual through final design of a roundabout at two major arterial roadways in south Sarasota County. In addition to design, our tasks included permitting, utilities design, maintenance-of-traffic plans, stormwater design, signing/marketing plans, and street lighting. The three-lane roundabout at the intersection of two four-lane arterial roadways is unique in Sarasota County. The new roundabout included design of roadway transitions from six-lane to four-lane urban arterials, bicycle facilities, pedestrian crossings, and an intermediate two-lane design.
- **Fort Hamer Park, Manatee County, Florida** - Landscape Architect for this project. Stantec provided multidisciplinary services to Manatee County for the recently completed Fort Hamer Park facility located on the Manatee River. In conjunction with Manatee County staff and rowing experts, we developed a conceptual master plan for the ultimate 10 acre park facility, which includes an 8,000-square-foot boat house, an elevated restroom facility with wood deck, floating dock, boat ramp improvements, amenities, play grounds and associated parking and stormwater management facilities.

# Edwin Martinez, PE

## Electrical Engineer

Edwin has more than 7 years of experience designing and specifying electrical, instrumentation, control, and automation systems for industrial and commercial facilities. He has successfully worked with power, grounding, lighting, fire alarm, communications, security, instrumentation, control, and automation systems. Also, this young professional has been very helpful reviewing electrical, instrumentation and controls designs to ensure quality and completion.

In addition, Edwin is experienced in Arc-Flash analysis. This professional has helped to generate engineering calculations to accomplish design in conformance with codes and standards, selection and specification of equipment, preparation of working drawings to produce finished engineering drawings, and coordination with other disciplines involved in the design.

Furthermore, Mr. Martinez has successfully performed as project manager for various projects, accurately following Stantec's PM framework.

### Education

Bachelor of Science,  
Electrical Engineering,  
University of Puerto  
Rico, Mayagüez,  
Mayagüez, Puerto Rico,  
2012

### Registrations

Professional Engineer  
##81692, State of  
Florida

Professional Engineer  
#25398, Estado Libre  
Asociado de Puerto  
Rico

### Select project experience

- **Hertz - Electrical Systems, Puerto Rico (Electrical Engineer)** - Design of the electrical system for a customer service area in the Luis Muñoz Marín International Airport following National Electrical Code (NEC).
- **AVIS/ Budget, Puerto Rico (Electrical Engineer)** - Design of the electrical system for a customer service area, parking garage, and preferred customer booth in the Luis Muñoz Marín International Airport following National Electrical Code (NEC).
- **El Morro Segments V & VI, San Juan, Puerto Rico (Electrical Engineer)** - Design of the electrical distribution system for architectural lighting fixtures along an ocean's side promenade boarding one of the Puerto Rico's most important historical landmarks: El Morro.
- **Pfizer Pharmaceuticals – King Vault, Vega Baja, Puerto Rico (I & C Engineer)** - Involved in field data gathering, instrumentation design documents and specifications. Worked with instrumentation design for new DEA regulated storage vault.
- **Bristol Myers Squibb – Structural Assessment, Manatí, Puerto Rico (PM)** - Played as successor project manager. Dealt with subconsultants. Greatly minimized staff turnover's impact. Project has been managed with very low budget resource.
- **Immucell Corporation – Mast Out Design, Portland, Maine (I & C Engineer)** - Specified instrumentation to monitor and control level, pressure, leakage, and lower explosive limit (LEL), for various pharmaceutical processes.
- **Sugar Transfer Super Sack, Guayama, Puerto Rico (Electrical Engineer, PM)** - Designed and specified power, and lighting systems for the addition of a new Super Sack handler for a pharmaceutical process. Electrical hazardous area classification has been applied, as sugar is considered an explosive material under certain conditions. Played as successor project manager. Dealt with subconsultants. Greatly minimized staff turnover's impact.
- **Remicade Formulation Capacity Increase, Gurabo, Puerto Rico (Electrical/ I & C Engineer, PM)** - Designed and specified systems for instrumentation, controls, VFD operation, and power related to the addition of new solution portable tanks for a pharmaceutical formulation process. Achieved to integrate new portable tanks to existing operation with very minimal facilities changes. Played as successor project manager. Timely identified and executed project scope changes. Dealt with subconsultants.
- **Pfizer – Cooling Tower Generator & Mechanical Improvements, Vega Baja, Puerto Rico (Electrical/ I & C Engineer)** - The project scope of work included the replacement of an existing generator and an existing cooling tower. Also designed an automatic transfer switches (ATS) system. In addition, experience working with variable frequency drives specification (VFD) grounding, instrumentation, and motor control center (MCC) modifications for the new cooling tower. Played as successor project manager. Timely identified and executed project scope changes.



Dealt with subconsultants. Greatly minimized staff turnover's impact.

- **CareFusion – Ampoules Filling Lines Expansion, El Paso, Texas (Electrical / I & C Engineer)** - Design of the control architecture for the Qualified Building Management System (BMS/QBMS), the Process Control System, and the SCADA. The process control system integrated all nine (9) filling lines with their respective formulation satellite tanks, all within an automated close transfer system from the main formulation rooms. In addition, worked with electrical hazardous classification drawings, lighting, power (main distribution panels design), emergency generator power connections, grounding, security, fire alarm, communications, identification of the appropriate technology for instrumentation, and controls designs for new cleanrooms and facilities. Assisted project's PM with project controls and management.
- **Merck Pharmaceuticals - LPO Project, Las Piedras, Puerto Rico (I & C Engineer)** - Design specifications and functional specifications documents. Control panel design included panel layouts, selection of enclosure per the electrical classification area, controller, I/O modules, types, power supply, breaker, and terminal blocks. Also included wiring diagrams, loop drawings, and control panel power wiring diagrams.
- **Bristol Myers Squibb – Buildings 5 and 6 Improvements, Humacao, Puerto Rico (Electrical / I & C Engineer)** - Design documents and specifications. Specified data racks, HMI's, SCADA, and Rockwell automation system with corresponding flex I/O panels. Worked with electrical hazardous classification drawings, lighting, power, grounding, security, communications, and instrumentation designs for new building expansion and existing building upgrades. Explosion proof electrical installations.
- **Actavis - Research & Development, F1 - GLATT GPCG-30, Davis, Florida (Electrical Engineer)** - Design of the electrical connections equipment and distribution panels. In addition, worked with electrical hazardous classification drawings, lighting, grounding, security, and fire alarm for the new Glatt-30 room.
- **Pfizer Pharmaceuticals – HCL Gas Station Replacement, Barceloneta, Puerto Rico (Electrical / I & C Engineer)** - Involved in field data gathering, instrumentation design documents, and specifications. Worked with instrumentation design for HCL gas station replacement.
- **Pfizer Pharmaceuticals – Oxygen Monitoring, Barceloneta, Puerto Rico (I & C Engineer)** - Worked with instrumentation design for monitoring oxygen in areas with potential risk of nitrogen leakage.
- **Pfizer Pharmaceuticals - Solvent Recovery, Barceloneta, Puerto Rico (I & C Engineer)** - Worked with electrical hazardous classification drawings, exterior lighting, motor power (including VFDs), equipment and structures grounding and instrumentation designs for solvent recovery strategy to reduce waste. Work included phase change recognition technology. Configured and integrated it against the Delta V existing control system.
- **PUMA Energy Caribe - Propane & Butane Terminal, Bayamón, Puerto Rico (Electrical / I & C Engineer)** - Design of tank gauging system, PCS, and ESD for a large oil and gas operation. Design of control panels layout and electrical wiring diagrams for ESD system. Worked with instrumentation and electrical design for new bullet tanks installation. Intrinsically safe barriers and associated compatible instrumentation.

# Andy Alexander

## Senior Inspector

Andy has over 14 years of engineering experience which includes working in the field as an Inspector, Senior Inspector, Senior Bridge Inspector, and Drill Shaft Inspector. His experience includes milling and resurfacing, roadway reconstruction and widening, major earthwork, construction bridge rehabilitation, bridge replacement, as well as coatings inspection. He has also been responsible for various engineering tasks that include signing and sealing final as-built plans, technical report writing, claims analysis, man-hour estimates, correspondence with key stakeholders, and ensuring that projects are constructed in reasonable conformance with plans and specifications. He has a strong understanding of engineering specifications, construction practices and methodologies.

### Education

Southern Academy  
High, Trinidad and  
Tobago

### Certifications

TIN#A425002683050

Asphalt Paving -  
Level 1

Asphalt Paving -  
Level 2

Concrete Field Tech -  
Level 1

Drilled Shaft

Earthwork  
Construction  
Inspection - Level 1

Earthwork  
Construction  
Inspection - Level 2

Final Estimates -  
Level 1

ACI Concrete Field  
Testing 1

Critical Structures

Hazmat

Nuclear Gauge Safety  
Training

IMSA Traffic Signal  
Level 1

Intermediate MOT

### Select project experience

- Palm and Hibiscus Islands, Miami Beach, FL - Inspector for this design/build project which involves complete infrastructure reconstruction with primary goals including beautification and to combat the effects of sea level rise. Scope of work includes watermain and water service replacement, rehabilitation of the existing gravity sanitary sewer line and manholes, complete stormwater infrastructure improvements, roadway reconstruction including raising roads where possible and harmonization to properties, concrete work including sidewalks, the undergrounding of overhead utilities for Florida Power & Light (FPL), AT&T, and Atlantic Broadband, and landscaping. The stormwater systems include a primary and secondary gravity collection system and large pump stations to discharge into Biscayne Bay. Environmental controls during construction and all maintenance of traffic had to be carefully monitored at all times. Close coordination with City staff and homeowners is most important to ensure impact to residents is minimized.**
- City of West Palm Beach; Tamarind Avenue Streetscape (Palm Beach Lakes Blvd. to 25th Street)\*, Project FM # 429655-1-58-01** - Andy was Senior Inspector for this project that included construction of curbed bulb-outs, cross walks, drainage system modifications and installation of additional landscaping, benches, trash receptacles, specialty pavement, striping, signage and an irrigation system.
- General Assigned Contract; SRA1A Bridge No. 860011 Over Hillsboro Inlet\*, FDOT District 4, Project FM # 425935-1-52-01/425935-1-52-02** - Andy was Senior Inspector for this project. Improvements included removal of existing concrete and replace concrete deck, construction of a new sidewalk and pedestrian railing along south side of bridge, new traffic railings along both sides of bridge, upgrade fender system, restoration of existing tender house, installation of decorative statue and accent lighting, removal and re painting of bridge.
- City of Oakland Park, NE 34th Court Improvements (Between NE 2nd Avenue and 11th Avenue)\*, Project FM #429653-1-58-01, Fed #8886109A** - This project included installation of storm drain piping and structures, water mains. Infrastructure improvements both in public right-of-way and private property, including landscaping, driveways, pavement, sidewalks, fences and other miscellaneous items. Andy was Senior Inspector for this project.
- City of Oakland Park; NE 38th Street/Park Lane East Project (from NE 11th Avenue to Andrews Avenue)\*, LAP Project FM #427767-1- 58/68-01. (LAP Funded \$1,621,004)** - Senior Inspector. Scope of work for this project included installation of storm drain piping and structures, sanitary sewer main relocations, landscaping, irrigation and decorative lighting.
- I-595 Express Corridor Improvements\*, FDOT District 4, (\$1.25 B) P3 Project (in partnership with HTNB)** - The project extended from the I-75/ Sawgrass Expressway interchange to the I-595/I-95 interchange. The corridor improvements along this 10.5 miles of roadway included: Tolled, reversible, ground-level express lanes within the median of I-595, Safety modifications to the I-595/Florida Turnpike interchange, Continuous connection of SR 84 between Davie Road and SR 7/US 441, Auxiliary lanes on I-595 with combined ramps, cross-road bypasses and grade separated entrance and exit ramps. The express lanes consist of three tolled, reversible Express Lanes. Each lane is 12 feet wide with a full 10-foot shoulder on each side.

\* Denotes projects completed with other firms

- **I-75 (Alligator Alley) at Recreational Access MM 54.0\*, FDOT District 1, Project FM #200741-1-62-01** - Senior Inspector. Construction consisted of a recreational access facility located on SR 93/1-75 at the L-28 interceptor canal. The project entailed construction of a 75 space parking lot, boat ramp into the L-28 canal, access to the trailhead within the Big Cypress National Preserve, on and off ramp attached to I-75 westbound and stormwater management facilities. Also included ITS services that involved relocation of 4,900 LF of underground fiber optic, 400 LF of overhead (aerial connection) fiber optic and relocation of 11 Lee County electrical poles.
- **SR 802/Lake Worth Road (Congress Avenue to West of Lake Osbourne Drive)\*, FDOT District 4, Project FM #422990-1** - Senior Inspector. Improvements included milling and resurfacing, ADA and safety upgrades, pedestrian signal upgrades, irrigation and bridge railing upgrades on SR 802.
- **SR 708/ Blue Heron Blvd. (at Old Dixie Highway) Safety Project\*, FDOT District 4, Project FM #411431-2** - Senior Inspector. Construction included minor roadway widening, drilled shafts, signing, pavement markings, installation of traffic control devices on FEC's cantilever truss, synchronization devices for eastbound and westbound Blue Heron Boulevard. All this was in lieu of modifications of the existing railway crossing on the east leg of the intersection and replacement of FEC's overhead signal bridge.
- **Resurfacing SR 5/US 1/Federal Highway (from C-16 Canal to Hypoluxo Road) and SR 5/US 1(from South of SR 794/ Yamato Road to South of C-15 Canal)\*, FDOT District 4, Project FM #415311- 1-62-01/416897-1-62-01** - Senior Inspector. Construction consisted of milling and resurfacing, drainage, pipe lining, signalization and landscaping improvements for two major arterials that have transverse urban commercial areas in Palm Beach County.
- **Hallandale Beach Blvd. (from I-95 to US1) Construction (approx. 5 miles)\*, FDOT District 4** - Senior Roadway Inspector. Construction consisted of installation of street lights, curb and gutter removal/replacement, landscaping of medians, signalization, asphalt paving and striping, repair sidewalks and cut traffic congestion.
- **1-95 HOV Expansion, North of Palm Beach Lakes Boulevard to North of Blue Heron Boulevard (Approx. 21 miles), FDOT District 4** - Drill Shaft Inspector. Project included widening 1-95 from six and eight lanes to ten and 12 lanes (including HOV lanes); widening the existing S.R. 710 (Beeline Highway) bridge; replacing the existing bridges over 45th Street and Blue Heron Boulevard; reconstruction of the mainline ramps as well as portions of 45th Street and Blue Heron Boulevard; and included drainage improvements, retaining walls, signing and pavement markings, lighting, landscaping, irrigation and communications elements.
- **1-75 ICA Hurricane Wilma Repair (approx. 10 miles)\*, FDOT District 4** - Drill Shaft Inspector. Duties included supervision of drilling, inspection of rebar cages and cage l installation, concrete placement and installation of sonotubes and bolts, and relocation of existing signage.
- **Sawgrass Expressway/SR 869 Widening (Coral Ridge Drive to Florida's Turnpike (approx. 20 miles)\*, FDOT District 4 & Turnpike** - inspector. Construction consisted of widening the Sawgrass Expressway from four to six lanes, construction of sound walls and other improvements. Duties included inspection of earthwork and drilled shaft installation.

\* Denotes projects completed with other firms

# Fernando Vargas

## Senior Inspector

Fernando has over 12 years of experience in materials testing and inspection services in both the public and private sectors. His duties have included sampling and field and laboratory testing of soils and concrete. He has served as lead project inspector for public projects of various scope including water and sewer, drainage, roadway, utilities and industrial. The water and sewer projects include new facilities, retrofitting of existing facilities, and repairs to existing systems. Monitoring of costs and schedule throughout these projects ensures the client is always receiving a quality product on time and within budget.

### Certifications

FDOT, Asphalt Paving  
Tech Level 1, 2013

ACI Level I Field  
Technician, 2012

Certified Nuclear  
Gauge Operator, 2012

Nuclear Safety  
Certification

MOT Level II

CTQP Earthwork  
Level I

### Select project experience

- William H. Kerdyk Tennis Center at Biltmore Hotel, Coral Gables, Florida** - Senior Inspector for this project that involves renovation and improvements to the existing Kerdyk Tennis Center next to the Biltmore Hotel. Stantec completed final construction documents and permitting for the following scope of work: parking lot reconstruction including new curbing, new monument sign, site lighting, irrigation, landscaping, electrical enclosure, decorative concrete walkway, a crosswalk on Anastasia Avenue, new fencing, tennis court resurfacing and re-striping including new nets, and new stadium style lighting for the courts. A second phase of improvements is in the planning stages and will involve a new or renovation building to serve the facility.
- NW 82nd Avenue Improvements, Doral, Florida** - Inspector for this project which included the study, design, and construction administration of various improvements on NW 82nd Avenue from NW 12th Street to NW 25th Street. It consisted of milling and resurfacing, sidewalk and curb and gutter replacement and reconstruction, handicap ramp replacement, and drainage work including the installation of exfiltration trenches, concrete manholes and solid pipes. The project also involved the repair of damaged asphalt around existing manholes, valves, and above existing drainage trenches and crossings. The final design also included pavement markings and signage.
- Doral Grande, Atlantic and Pacific Developments, Doral, Florida (Inspector)** - Inspector for this project that consisted of the design and permitting of a regional WASD Wastewater Pump Station for the entire half section. Project included design, permitting of water main system and 20" wastewater forcemain donated to Miami-Dade WASD. Project also included full construction management including inspections and engineering support. The proposed utilities serve a 30 Acre site being developed into a 300 apartment residential community in Doral. Other services also included drainage, striping, signage, geometry and development of adjacent right of ways.
- Miami-Dade County Roadway Improvements, Miami, Florida** - Inspector for this project which consists of supervising all operations necessary for the construction of a new 4-lane divided roadway along SW 157th Avenue (from SW 120th Street to SW 112th Street) including a new bridge over the C-IW Canal. The work includes new sidewalk, curb and gutter, median, a storm water drainage system, signage, pavement markings, signalization, and street lighting. The scope also include the new construction of a 2-lane roadway on SW 120th Street (from SW 157th Avenue to 1800 feet West of SW 157th Avenue), the construction of a new 16" water main along SW 157th Avenue (from SW 112th Street to SW 120th Street), the construction of 16" water main along SW 120th Street (from SW 157th Avenue to SW 162nd Avenue), and the installation of a 36" sewer force main along SW 157th Avenue (from SW 112th Street to SW 120th Street), as part of the overall wastewater master plan to complete a connection north of SW 112th Street.
- CEI Construction Services – Miami Center for the Performing Arts / Biscayne Boulevard “Superblock” Streetscape Improvements, Miami, Florida** - Inspector responsible for inspection support and all materials testing for a high profile roadway reconstruction and resurfacing project in downtown Miami including: paver brick pavement, Superpave asphalt, decorative lighting, signalization, drainage, striping, signage, curb and gutter, sidewalks, and landscaping.
- Golden Beach Capital Improvements Program Master Plan, Golden Beach** - Inspector for this comprehensive Capital Improvements Program Master Plan which focused on three major improvement areas. **Town-wide Drainage Improvements.** These improvements included



design review, costs analysis, and recommendations based on the Town's existing stormwater master plan which includes construction inlets and culverts to collect and direct stormwater runoff to pumping stations discharging into the intercoastal waterway. **Utilities Underground Relocation (electrical, telephone, cable).** These improvements included a thorough analysis of the Town's existing power system configuration, and close coordination with FPL and other utility companies in developing a conceptual plan for burying all utility transmission and distribution lines throughout the entire Town. **Town-wide Streetscape & Traffic Calming.** The Town's major thoroughfares and side streets were redefined and enhanced to increase public safety, and improve the quality of life and aesthetic appeal. Improvements included highlighting intersections with concrete pavers and crosswalks, delineating of roadways with valley edge gutters, construction of traffic splitter islands and center median with new landscaping, and new lighting.

- **Belle Meade Drainage Improvements, Miami, Florida** - Inspector for this \$8 million project which consisted of the design and permitting of a drainage improvement project encompassing several miles of road in developed flood-prone neighborhood providing quality treatment through the use of exfiltration trenches and gravity wells and discharging to the Miami River. Permitting included pre/post analysis and stage calculation for Miami-Dade's Class II Surface Water Management Permit.
- **Miami Gardens Canal Stabilization & Repairs, Miami Gardens, Florida** - Construction Administrator for this design-build project which included the canal bank stabilization for over 3000 linear feet of canal bank, 2 large culvert headwalls, reconstruction of 12 stormwater outfalls, and outfalls structures. A stabilization synthetic stacking system was used for the canal bank to reestablish the banks by preventing future erosion. Permitting included a Class III permit throughout PERA Water, Miami-Dade Public Works. The project design included a stormwater pollution prevention plan, environmental designs including manatee grates, and maintenance of traffic. Additionally, the project also included grant management.
- **Florida International University W1 Lift Station, Modesto Maidique Campus, Miami, Florida** - Lead Inspector for this project that consisted of a new submersible wastewater lift station to replace an old out dated station which exhibited leaks and deterioration. The new station included three 45 horsepower pumps, new control panel, ultrasonic level sensors, magnetic flow meter and gas detection system. This important station handles all of the wastewater transmission for the West and South areas of the Modesto Maidique Campus.
- **Reclaimed Water Distribution System, Key Biscayne, Florida** - Inspector for this project which consisted of the installation of a Reclaimed Water Distribution System from the Northern Village limits running south, primarily along Fernwood Road, to West Mashta Drive including residential and commercial service lines, valves, roadway/right-of-way restoration, and other related work.
- **Village of Key Biscayne Zones 1 & 4 Water Main and Sanitary Sewer Replacement, Key Biscayne, Florida** - Construction inspector responsible for assisting with the administration of sanitary sewers, manholes, existing pump station upgrades and modifications, lateral connections, fire hydrants, water main replacement including valves and appurtenances, and roadway/right-of-way restoration, and other related work as shown on the plans.
- **Claude Pepper Park, North Miami, Florida** - Civil Inspector for this multifaceted project included design, permitting and construction management for North Miami Wastewater Pump Station, forcemain, and external water main extension along SR 916 including fire protection. The proposed utilities serve a project which consisted of a \$5.5 million multi-purpose youth center which includes gymnasium, classrooms, youth training center and health center. Services also included parking lot drainage, fire protection, and general site development. This project was certified a GOLD LEED building. Sustainable design and construction methods were being used throughout the project for environmental benefits.
- **Highland Village Water, Sewer, & Drainage Improvements, North Miami Beach, Florida** - Inspector responsible for the construction inspection services consist of on-site personnel to provide the construction engineering administration services including but not limited to overseeing, coordinating and inspecting the work of surveyors and construction contractors. Responsibilities include monitoring, record keeping, approving and recommending requisitions for compensation, review of change orders, estimations, claims, scheduling, shop drawings and remedial designs. We also provided responses to Requests for Information (RFI) and assuring compliance with all local, state and federal regulations, on behalf of the City of North Miami Beach.

# MATTHEW BLOMBERG

2827 Staples Ave □ Key West, Fl 33040 □ 706-363-2448 □ [mblomberg@windstream.net](mailto:mblomberg@windstream.net)

**SUMMARY:** I have an extensive background in all aspects of the land surveying. I Excel in problem solving with innovative solutions. I have a thorough knowledge of boundary surveys, topographic surveys, construction layouts, house stakeouts, subdivision stakeouts ALTA surveys and general construction practices. As a project manager and field chief I have the ability to complete a work order from start to finish. I have experience with Autocad , Land Desktop, and Autocad 2012 Civil 3D. I am not afraid to get my hands dirty & do whatever it takes to get the job done.

## Key Skills

- Project Management
- Extensive surveying experience
- Highly skilled with computer programs including MS Office, Autocad, Photo Programs & Email.
- Goal Oriented, Able to Multitask
- Able to properly report on & document the project from start to finish.
- Able to effectively manage
- Able to focus on specific tasks until completion while dealing with day to day interruptions.
- Excellent communication skills
- Boundary Surveying
- Topographic Surveys
- Construction layouts and projects.
- ALTA Surveys

## Experience

### Florida Keys Land Surveying

2013 to Present

#### *Operations Manager, 2013 to present*

- Project management of survey and construction projects, including calculations and drafting.
- Review job requests, project scope of work, construction plans and create proposals and job schedule timelines.
- Conference with key decision people to secure proposals and continually market the company.
- Work directly with the firm President / Professional Surveyor and Mapper to coordinate the day to day operations of the business and ongoing projects.
- Prepare design survey, final survey and asbuilt surveys utilizing AutoCad Civil 3D

### Carter Land Surveyors and Planners, Atlanta, Ga,

2012 to 2013

#### *Operations / Production Manager, 2012 to 2013*

- Oversight and management of the production operation.
- Worked directly with the licensed surveyor to manage office personnel.
- Oversight and management of project draftsman and 12 field crews in 4 states (Ga, SC, NC & TX)
- In charge of daily distribution of work to both field crews and draftsman.
- Worked with customer service personnel to manage clients, projects and customer satisfaction.
- In charge of hiring, termination and training of field crews, including travel to other office locations.

### Future Plannings, LLC, Commerce, Ga

2009 to 2012

#### *Project Manager, 2009 to 2012*

- Future Plannings is in the business of rehabbing residential properties for resale, the property conditions range from full rehabs to light touch up and clean up.
- Managed projects establishing schedules and budgets.
- Worked with subcontractors to secure bids and prioritize work required to stay on time and budget.
- Responsible for creating elevation drawings, layout change drawings, and kitchen and bath remodel drawings for subcontractors and permitting as necessary.

# MATTHEW BLOMBERG

2827 Staples Ave □ Key West, FL 33040 □ 706-363-2448 □ [mblomberg@windstream.net](mailto:mblomberg@windstream.net)

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- Met and conferenced with the principals involved with the projects to ensure that the work being done was the best use of the budget and that the final product was market ready on time.

**J. Lynn O'Flynn, Inc., Key West, FL** **2006 to 2009**  
***Draftsman and Executive Assistant to the owner (Telecommuting) 2006 to 2009***

- Served as executive assistant to the owner, managed large projects, coordinated drafting using Autocad.
- Reviewed job requests, scope of work, construction plans and created bids and job schedule timetables.
- Coordinated large construction projects including communication with key construction personal.
- Traveled to the company office once a month for a week to work hands on with the owner and the field crew including, managing the office and the business when the owner was on vacation or unavailable.

**J. Lynn O'Flynn, Inc., Key West, FL** **2003 to 2006**  
***Office Manager, Draftsman and Executive Assistant to the owner 2003 to 2006***

- Served as executive assistant to the owner, managed large projects, coordinated drafting using Autocad, and functioned as primary liaison to customers.
- Managed employees, created appointments and handled field crew scheduling while coordinating between the customers, employees and the company owner.
- Conferenced with the company owner and assisted in the personnel decisions pertaining to the employees and their future with the company.
- Created bids and met with key decision people to secure said bids and continually market the company.
- Reviewed job requests, scope of work, construction plans and created bids and job schedule timetables.

**J. Lynn O'Flynn, Inc., Key West, FL** **2001 to 2003**  
***Crew Chief, Field Supervisor, 2001 to 2003***

- Same duties as performed for Norby and Associates (J. Lynn O'Flynn, Inc was the same business as Norby and Associates, Mr. Norby passed away and his business partner J. Lynn O'Flynn changed the name of the company)

**Norby and Associates, Key West, FL** **1998 to 2001**  
***Crew Chief, Field Supervisor, 1998 to 2001***

- Managed field crew while maintaining communication with the office manger, and the owner of the company.
- Worked in the field on Boundary Surveys, Topographic Surveys, Elevation Certificates, and Construction projects including layouts.
- Assisted in the gathering of field information including meeting with clients.
- Maintained field notes and quality control of the jobs.
- Involved in the meetings with the office manager, owner of the company, subcontractors, attorneys, and the other project managers regarding ongoing projects.

**Norby and Associates, Key West, FL** **1996 to 1998**  
***Field Assistant / Rod Man, 1996 to 1998***

- Worked as a rod man and field assistant to the party chief and/or the company owner(s).
- Worked in the field on Boundary Surveys, Topographic Surveys, Elevation Certificates, and Construction projects including layouts.

# ERIC ISAACS, PSM & PLS

24760 Park Drive, Summerland Key, FL 33042 | H: 305 394-2363 | FKLSEmail@gmail.com

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## Professional Summary

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Ambitious, licensed land surveyor who is key on details. I have managed multiple crews of various sizes. I love being outdoors and retracing previous land surveyor's footsteps. I am well versed in all aspects of land surveying including, construction staking, primary control networks, boundary resolution and drafting with Autodesk AutoCAD products.

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## Skill Highlights

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- Project management
- Due diligence
- Client interaction
- Deed research
- Total Stations
- Robotic Total Stations
- GPS/GNSS
- AutoCAD Civil 3D
- Trimble Geomatics Office
- Trimble Access
- Tripod Data Systems- Survey PRO
- Digital level loops
- Multi-crew management

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## Professional Experience

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|--|--|
| <b>President</b><br><b>Florida Keys Land Surveying, LLC</b>  | <b>11/2010 to Present</b><br><b>Sugarloaf Key, Florida</b> |
| <ul style="list-style-type: none"><li>• Responsible in charge Professional Surveyor and Mapper</li><li>• Control and oversee all survey operations for this company</li><li>• Manage and oversee all employees</li></ul>   |  |
| <b>Survey Manager</b><br><b>Charley Toppino and Sons</b>   | <b>01/2009 to 11/2011</b><br><b>Key West, Florida</b>      |
| <ul style="list-style-type: none"><li>• Controlled all survey operations for this company.</li><li>• Reported directly to the owners of the company on all surveying projects</li></ul>  |  |
| <b>Party Chief</b><br><b>O'lynn Surveying</b>  | <b>05/2007 to 01/2009</b><br><b>Key West, Florida</b>      |
| <ul style="list-style-type: none"><li>• Controlled all field operations</li><li>• Drafted field line work utilizing AutoCad</li><li>• Calculated and prepared coordinates for field staking</li><li>• Consulted with clients regarding our services.</li></ul>   |  |
| <b>Survey Manager</b><br><b>Isaacs Surveying</b>   | <b>06/1998 to 05/2007</b><br><b>Key West, Oklahoma</b>     |
| <ul style="list-style-type: none"><li>• Controlled 1-4 man field crews</li><li>• Produced design survey AutoCAD files</li><li>• Researched deeds and wrote legal descriptions</li><li>• Worked in the field with GPS, Robotics, Total Stations, Digital Levels, etc.</li><li>• Worked on projects from the federal to the private level.</li><li>• Traveled across the United States providing surveying services.</li></ul> |  |



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## Education

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**Associate of Science: Surveying Technology**  
Tulsa Community College

**2004**  
Tulsa, Oklahoma, USA

Charles Page High School

**1998**  
Sand Springs, Oklahoma, USA

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## Affiliations

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Oklahoma Society of Land Surveyors  
Florida Surveying and Mapping Society  
Professional Association of Diving Instructors

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## Certifications

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State of Oklahoma- Professional Land Surveyor 1631  
State of Florida- Professional Surveyor and Mapper 6783  
Trimble – Advance RTK Procedures  
PADI Assistant Instructor 179848

**FORMAL EDUCATION:**

University of Florida,  
Gainesville, Florida

Bachelor of Science,  
Civil Engineering

**PROFESSIONAL REGISTRATIONS:**

Registered Engineer-  
State of Florida #50858

Registered Building Inspector-  
State of Florida BN #3580

SBCCI #6528

ACI Level 1 #991175

UBCI

**PROFESSIONAL AFFILIATIONS:**

Florida Engineering Society  
\*Past Chapter President

National Society of Professional  
Engineers

**REFERENCES:**

Florida Keys Aqueduct Authority  
1100 Kennedy Drive  
Key West, Florida  
Mr. Ray Shimokubo, PE  
Mr. Tom Walker, PE  
305-296-2454

CH2M Hill  
6410 5<sup>th</sup> Street, Suite 2A  
Key West, Florida 33040  
Mr. Sean McCoy  
305-294-1645

**PROFESSIONAL EXPERIENCE:**

Mr. Wohlfarth, P.E. is the Director of the Engineering Department which includes professional and technical personnel. He also has overall responsibility for the Special Inspection, Construction Materials Testing and Geotechnical Engineering Divisions where he directs training, quality system review and personnel evaluations. His responsibilities include report review, signing and sealing geotechnical engineering, structural inspection and laboratory testing reports for the company, providing contract negotiation and administration, budget estimating and project management.

Mr. Wohlfarth has 28 years of experience (24 with NEF) in various aspects of geotechnical engineering which include determining feasibility of site development, foundation design analysis and recommendations, providing engineering evaluation for bridge and roadway construction, pavement design for roadways, roadway subgrade stabilization by geotextiles and other means, design of shoring systems for utility trenches and other deep excavations, dewatering methodology for trench and other excavations and backfill procedures, setting up and monitoring pile load tests, and providing value engineering for foundations.

**PROJECT EXPERIENCE:**

- City of Key West Improvement Projects (Five Sites via CH2M Hill): These projects required extensive coordination between the City, our client. A barge was required for a majority of the drilling program.
  - Mallory Square T-Pier, 2012: Installation of new berthing dolphin at north end of the existing T-pier structure and extension of the existing pier.
  - Zero Duval Seawall, 2012: Construction of new sheet pile wall outside of the existing wall.
  - Ferry Terminal Dock Extension, 2012: 121 ft long extension to an existing 180 ft long dock
  - Ferry Terminal Floating Docks, 2012: 204 ft long floating dock system with 50 ft extension along Trumbo Road
  - Tarpon Pier, 2012: Replacement of the existing 400 ft concrete deck pier.
- City of Marathon:
  - LaPalma Property, 2015: Provided geotechnical exploration on a ~6 acre generally vacant site with a canal approx. 400' long and 50' wide bisecting the southern half of the property. Exploration included evaluating existing stockpiles of soil measuring 12' in height, 200' by 100' on the site, with the top being accessible to truck mounted drilling equipment, to determine is suitable for fill material. Future plans include constructing a 10,000 SF storage/maintenance building.
  - Reuse Mixing Tank at Marathon Community Park, 2014: Provided geotechnical exploration services for a proposed reuse mixing tank to be constructed as part of using effluent for irrigation purposes.

**PROJECT EXPERIENCE:**

- Florida Keys SPCA Building, Key West, 2016: Performed geotechnical exploration/engineering for proposed 2-story ~24,000 SF building.
- Fuel Farm Expansion at Key West Airport, 3491 South Roosevelt Boulevard, Key West, 2016: Performed geotechnical exploration/engineering for proposed 30,000 gallon storage tank.
- Dolphin Pier and Sailfish Pier Demolition and Replacement, Key West, 2016, 2015: Performed geotechnical exploration/engineering including pier recommendations for the proposed replacement of the Dolphin Pier and Sailfish Piers.
- Central Cudjoe Key Regional Wastewater System Extension, 2016: Performed/performing geotechnical exploration/engineering services for multiple phases of the wastewater collection system through the Lower Florida Keys, from Mile Marker MM 17 to MM 33, to provide service to Lower Sugarloaf Key, Upper Sugarloaf Key, Cudjoe Key, Summerland Key, Ramrod Key, Middle Torch Key, Big Torch Key, Little Torch Key, Big Pine Key and No Name Key.
- Calusa Campground and Collection Water System, MM 101, Key Largo, 2007
- Cudjoe Key Waste Water Collection System, 2012: Construction of the Lower Sugar Loaf Pump Station, Lower Sugar Loaf Key
- Dozens of Florida Keys Aqueduct Authority projects, not limited to:
  - Proposed expansion of the Overseas Highway, Key Largo Water Treatment District Basins G and H, Key Largo Pump Station and WWTP, Ocean Reef Distribution System Improvements (Phase II), Vacuum/Pump Station, Regional Waste Water Collection System Improvements/Upgrades on Cudjoe Key, Summerland Key and Sugarloaf Key
- WWTP projects include: Key Largo WTP @ MM 105.5, FCAA Robert Dean WTP @ Florida City, Duck Key WTP, North Key Largo Advanced Treatment and Wastewater Reuse project @ Ocean Reed Club, Dania Beach WWTP @ Stirling Road, Deerfield Beach WWTP, Pembroke Pines WTP Improvements @ Johnson Street, Sawgrass WTP @ Sawgrass Corporate Parkway, City of Coral Springs WTP @ 85<sup>th</sup> Avenue, Layton WWTP Expansion, Florida City WTP High Service Pump Station
- Miami-Dade County, Multiple Departments including: DERM, Public Works, Parks and Recreation, Aviation, Fire Rescue and Water/ Sewer. Projects include but are not limited to:
  - Miami International Airport North Terminal Development Program, Miami, Ongoing: Performed geotechnical exploration/engineering services for the renovation and addition to existing Terminal (formerly Terminal A), includes Mile Long Terminal and Sky Train. In addition, Nutting Engineers of Florida, Inc. also provided pile load testing, pile installation monitoring and testing of grout, construction material testing of onsite and imported materials, soil density testing, concrete and grout sampling and testing, proctor tests, Limerock Bearing Ratio (LBR) tests, gradation, and special/ threshold inspection services on various aspects of the project.

**FORMAL EDUCATION:**

University of Wisconsin  
Eau Claire, Wisconsin

Palm Beach Community  
College, West Palm Beach

Rochester Community  
College, Minnesota

**PROFESSIONAL REGISTRATIONS:**

NIOSH 582 Sampling and  
Evaluating Airborne Asbestos  
Dust Training

Asbestos Abatement  
Contractor/Supervisor Training  
Course (40 hours)

State of Minn. Department of  
Health Asbestos Abatement  
Site Supervisor

OSHA training for Hazardous  
Waste Operations and  
Emergency Response

Annual 8-Hour OSHA  
Refresher Course for Working  
at Hazardous Sites

**PROFESSIONAL AFFILIATIONS:**

State of Florida Water Well  
Contractor #11110

The National Groundwater  
Association

**PROFESSIONAL EXPERIENCE:**

Mr. Ersland is the Department Manager of the Geotechnical and Environmental Drilling Division for each of our office locations- Miami Dade, Palm Beach, and St. Lucie Counties. This division includes ~8 technical field personnel and a fleet of 4 truck mounted drill rigs and 1 track rig.

Mr. Ersland's duties include project planning, proposal and contract preparation and execution of requested services as well as client development and interaction. He has *nineteen* years of experience and has coordinated projects requiring standard penetration test borings (SPTs), auger borings, rock coring and double ring infiltration tests. Mr. Ersland oversees projects concerning the installation of monitoring wells, recovery wells, vapor extraction wells and air sparge wells, well abandonment, air lifting and South Florida Water Management District and Florida Department of Transportation exfiltration tests. Clients for these projects include, but are not limited to, public and private entities which include different Engineering and Public Work Departments, Water and Sewer Departments and Roadway Divisions, the Florida Department of Transportation, and land developers.

**PROJECT EXPERIENCE:**

- City of Marathon, via the City:
  - La Palma Property Stockpile Evaluation, 2015
  - Reuse Mixing Tank for Community Park, 2014
  - Coco Plum Drive Pedestrian Bridge, 2013
  - Sombrero Boulevard Shoulder Improvements, 2013
  - Coco Plum Drive Evaluation, 2010
- City of Marathon, via consultant:
  - 89<sup>th</sup> Street Canal Culvert Crossing, 2015
- City of Key West Improvement Projects (Five Sites via CH2M Hill), 2012: These projects required extensive coordination between the City, our client. A barge was required for a majority of the drilling program.
  - Mallory Square T-Pier: Installation of new berthing dolphin at north end of the existing T-pier structure and extension of the existing pier.
  - Zero Duval Seawall: Construction of new sheet pile wall outside of the existing wall.
  - Ferry Terminal Dock Extension: 121 ft long extension to and existing 180 ft long dock
  - Ferry Terminal Floating Docks: 204 ft long floating dock system with 50 ft extension along Trumbo Road
  - Tarpon Pier: Replacement of the existing 400 ft long concrete deck pier.



**PROJECT EXPERIENCE:**

- Monroe County School District - Plantation Key School K-8 Phased Replacement, Tavernier, 2016: Performed geotechnical exploration/engineering services (and currently providing testing services) for the new two-story, ~100,000 square foot multi-structure educational facility.
- Truman Waterfront Park Restroom Facility, Key West, 2015: Performed geotechnical exploration/engineering services for proposed facility.
- Truman Waterfront Park Improvements, Key West, 2015: Performed geotechnical exploration/engineering services for proposed foot bridge, a horse stables building, community building, paved parking areas and drainage improvements.
- Roadway Improvement on Duck Avenue from 19th Street to S. Roosevelt Avenue, and Front Street from Duval to Simonton, Key West, 2014: Performed geotechnical exploration/engineering including pavement studies to determine level of roadway distress.
- Key West Public Transportation Facility, Stock Island, 2014: Performed geotechnical exploration/engineering services for proposed 2-story, ~7,800 SF administration building, ~7,500 SF bus maintenance building, bus wash building, and fuel island, ~21 bus parking spaces and 34 vehicle parking spaces.
- VFD Wastewater Pump Station Upgrades to A, B, C, D, and DA, 2014: Performed geotechnical exploration/engineering services for proposed upgrades.
- Smather's Beach Restroom, Key West, 2016: Performed geotechnical exploration/engineering services for proposed facility and pump station for the site.
- FKA - Key Haven Utility Improvements, Key Haven, 2015: Performed geotechnical exploration/engineering relevant to the installation of gravity sewers, water mains, and lift stations at the one square mile site.
- Niles Channel Directional Drilling, 2013: Performed geotechnical exploration/engineering relevant to the Installation of a 24-inch diameter force main by directional drilling, Lower Florida Keys
- FKA - Lower Keys Waste Water Collection, Ramrod Key, No Name Key, Little Torch Key, Big Pine Key & Lower Sugar Loaf Key, 2013: Performed geotechnical exploration/engineering relevant to the installation of 150,000 lf of gravity sewer lines and associated lift stations (42-45).
- Multiple Pump Station Replacements and Improvements, Miami (on behalf of Stantec Consulting Services): Performed geotechnical exploration/engineering for multiple pump station improvement projects including:
  - Proposed submersible pumps at station #0688 and #819, 2015
  - General upgrades at station #870, #0689, #0124 and 0105, 2015
  - Upgrades and 200' new force main at station #0076, 2014
- Miami-Dade County, Multiple Departments(Qualification Based Contract), Projects include but not limited to:
  - Fire Station #62, Palmetto Bay, 2015: Performed geotechnical exploration/engineering services for the future construction of a new one-store, ~10,750 SF Fire Station, 25 space parking area, asphalt paved driveways and concrete aprons. Additional testing was performed for the septic tank installation, the temporary ~ 1,380 SF trailer, sidewalks and canvas awning/canopy on adjacent site.
  - Miami International Airport North Terminal Development Program, Miami Ongoing: Performed geotechnical exploration/engineering services for the renovation and addition to existing Terminal (formerly Terminal A), includes Mile Long Terminal and Sky Train. Nutting Engineers of Florida, Inc. also provided pile load testing, pile installation monitoring and testing of grout, construction material testing of onsite and imported materials, soil density testing, concrete and grout sampling and testing, proctor tests, Limerock Bearing Ratio (LBR) tests, gradation, and special/ threshold inspection services on various aspects of the project.

# Philip A. Frank

Senior Environmental Scientist

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## Areas of Participation / Responsibility

Threatened and Endangered Species Surveys and Impact Assessment, Endangered Species Biological Assessments (ESBA), USFWS/NMFS Biological Opinions, Section 7 Consultations, Wetland Impact Assessment and UMAM Analysis, Marine/Benthic Resource Assessments, Coral Relocation Plans, Terrestrial, Wetland and Marine Restoration Planning, Mitigation Plans, Mitigation Monitoring and Assessment, Invasive Exotic Species Control, Resource management Plans, Governmental Affairs and Agency Coordination.

## Years of Experience

25 + Years of Experience

With Terramar Environmental Services: 5 Years

## Office Location

1241 Crane Boulevard, Sugarloaf Key, FL 33042

## Education

Ph.D. 2004, University of Florida, Wildlife Ecology and Conservation

M.S. 1989, University of South Florida, Zoology

B.S. 1984, Indiana University, Biology

## Percent Availability

50% Keys-wide

## Overview

Dr. Frank has over 25 years of experience in environmental conservation with agencies at both the State and Federal Level. He spent over 13 years with the USFWS and FWC in the Florida Keys. Dr. Frank was a Project Manager with the FWS and FWC for numerous threatened and endangered species conservation and recovery projects in the Florida Keys. He has conducted endangered species coordination, plan design, mitigation and monitoring project work for Florida Keys Overseas Heritage Trail (FKOHT). He has a unique and respected ability to assess and relocate corals off of bridges (i.e. Bahia Honda Bridge, Long Key Bridge) and has established an excellent relationship with the Florida Keys National Marine Sanctuary. He has overseen the design and construction of numerous mitigation and monitoring projects in the Keys for Florida Department of Transportation (FDOT). Dr. Frank has extensive experience in the oversight and inspection of construction projects and has the proven ability to work with engineers and contractors to address and resolve environmental issues.

## Professional Experience

Vice-president, Terramar Environmental Services. 2010 – Current. Serves as Vice President for Terramar Environmental Services, inc., a private consulting firm specializing in wildlife and endangered species conflict resolution, terrestrial and marine habitat restoration, public/private conservation policy and land use planning.

Senior Environmental Manager, Consulting, Engineering and Science. 2005-2010. Serve as Senior Environmental Manager for Consulting, Engineering and Science, Inc. (CES). Responsible for project management for CES's Florida Keys environmental consulting operations throughout the Keys. Conduct environmental assessments, endangered species biological assessments, design and implement habitat mitigation and restoration projects, and coordinate projects with appropriate regulatory agencies and various NEPA projects and permitting projects.

Project Leader, U.S. Fish and Wildlife Service, 2002-2005. Served as Project Leader for the Florida Keys National Wildlife Refuges. Responsible for the administration of four National Wildlife Refuges in the Florida Keys that encompass a total of 400,000 acres of lands and waters. Supervised a staff of 18 managerial, technical, law enforcement, maintenance, and administrative personnel with an annual budget of approximately \$1.3 million dollars. Provided leadership for the Florida Keys National Wildlife Refuges on a wide variety of issues including wildlife management, endangered species recovery, habitat management including prescribed fire, and land acquisition.

Fish and Wildlife Biologist, U.S. Fish and Wildlife Service, 2000-2002. Responsible for the administration of the Endangered Species Act in the Florida Keys. Responsible for coordinating recovery actions for threatened and endangered species. Responsible for biological review of development projects that impact threatened and endangered species in the Florida Keys including the coordination of the Habitat Conservation Plan for Big Pine and No Name Keys.

Wildlife Biologist, U.S. Fish and Wildlife Service, National Key Deer Refuge, 1999-2000. Responsible for all aspects of terrestrial wildlife conservation on the National Key Deer Refuge with an emphasis on threatened and endangered species including the endangered Key deer, Lower Keys marsh rabbit, silver rice rat and Key Largo woodrat. Routinely conducted population surveys, habitat assessments, and habitat restoration actions. Collected and analyzed data, wrote summaries and reports, and communicated results to the scientific, regulatory and general public.

Wildlife Ecologist, Florida Fish and Wildlife Conservation Commission, 1992 to 1998. Responsible for all aspects of wildlife conservation efforts, listed species permitting, and development review for the FWC in the Florida Keys. Responsibilities include review and comment of development proposals to local, State and Federal regulatory on the effects of development on wildlife habitat and populations. Provided technical assistance to a wide range of organizations regarding wildlife ecology and conservation in the Florida Keys.

## **Project Experience**

Project Title: Districtwide Environmental Data & Report Consultant, FDOT District VI.

Dates: November 2014 - Present

Tasks: Senior Environmental Scientist specializing in environmental impact assessment, habitat and T & E species identification and impact evaluation, with the primary focus in the Florida Keys. Sub-consultant under prime contractor Stantec.

Contact / Stantec: Nichole Carter, 305-445-2900

Contact / FDOT District VI: Steven C. James, 305-470-5221

Project Title: Districtwide Miscellaneous Tasks Related to Mitigation Site Development, Maintenance and Monitoring (M & M), FDOT District VI.

Dates: May, 2013 to Present

Tasks: Senior Environmental Scientist specializing in mitigation site selection, mitigation design, project implementation, and environmental monitoring with the primary focus in the Florida Keys. Sub-consultant under prime contractor Metric Engineering.

Contact / Metric Engineering: Michael McCoy, 954-643-0423

Contact / FDOT District VI: Manuel Vega, P.E., 305-470-5281

Project Title: Districtwide Environmental Compliance Monitoring of Construction or maintenance Projects for Compliance with All Permits and NEPA Documents, FDOT District VI.

Dates: May 2015 to Present

Tasks: Senior Environmental Scientist specializing in regulatory permit review, regulatory agency coordination and environmental impact assessment, with the primary focus in the Florida Keys. Sub-consultant under prime contractor CECOS Environmental Consulting.

Contact / CECOS: Mark Clark, 954-571-0290

Contact / FDOT District VI: Manuel Vega, P.E., 305-470-5281

Project Title: Districtwide General Engineering Consultant (GEC) C-9015, FDOT District VI.

Dates: March 2014 to Present

Tasks: Senior Environmental Scientist specializing in regulatory permit applications, permit review process, field studies including wetland delineation, marine benthic assessment, and T & E species assessments. Sub-consultant under prime contractor Aecom (URS).

Contact / Aecom: Keith Stannard, 305-495-2788

Contact / FDOT District VI - Manuel Vega, P.E., 305-470-5281

Project Title: Districtwide Permits Consultant C-9846, FDOT District VI.

Dates: May 2014 to Present

Tasks: Senior Environmental Scientist specializing in regulatory permit applications, permit review process, field studies including wetland delineation, marine benthic assessment, and T & E species assessments. Sub-consultant under prime contractor Stantec.

Contact / Stantec: Jeffrey H. Marcus, 305-528-4761

Contact / FDOT District VI: Manuel Vega, P.E., 305-470-

Project Title: Districtwide Permits Consultant C-9155, FDOT District VI.

Dates: January 2012 to Present

Tasks: Senior Environmental Scientist specializing in regulatory permit applications, permit review process, field studies including wetland delineation, marine benthic assessment, and T & E species assessments. Sub-consultant under prime contractor Aecom (URS).

Contact / Aecom: Keith Stannard, 305-495-2788

Contact / FDOT District VI: Manuel Vega, P.E., 305-470-5281

# Rowena P. Garcia

*Senior Environmental Scientist*

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## **Areas of Participation / Responsibility**

Wetland Delineation and Permitting, Threatened and Endangered Species Surveys and Impact Assessment, Endangered Species Biological Assessments (ESBA), USFWS/NMFS Biological Opinions, Section 7 Consultations, Wetland Impact Assessment and UMAM Analysis, Marine/Benthic Resource Assessments, Coral Relocation Plans, Terrestrial, Wetland and Marine Restoration Planning, Mitigation Plans, Governmental Affairs and Agency Coordination.

## **Years of Experience**

20 + Years of Experience

With Terramar Environmental Services: 13 Years

## **Office Location**

1241 Crane Boulevard, Sugarloaf Key, FL 33042

## **Education**

M.S. Marine Biology, 1996, Nova Southeastern University

B.S. Marine Biology, 1988, University of San Carlos, Philippines

## **Percent Availability**

50% Keys-wide

## **Overview**

Ms. Garcia has over 15 years of experience in environmental regulation and conservation including working for the Florida Department of Environmental Protection (FDEP), Florida Department of Community Affairs (DCA), and Florida Fish and Wildlife Conservation Commission (FWC). Ms. Garcia has extensive experience in all aspects of environmental regulation and permitting throughout the Florida Keys, and is skilled in the identification of wetlands and steps needed to obtain permits to develop in wetlands. Ms. Garcia has extensive experience in transportation projects, and has conducted numerous construction compliance inspections for the Florida Department of transportation, District 6.

## **Professional Experience**

President and Principal Scientist, Terramar Environmental Services, Sugarloaf Key, Florida. 2004 to Present.

Owns and operates an environmental consulting company that provides a wide variety of environmental consulting services

## **Project Experience**

including marine and benthic surveys, upland vegetation surveys, habitat evaluations, permitting services, and land use consultations. Terramar Environmental Services is a Minority-owned Florida corporation, and is licensed and insured in Monroe County.

Senior Environmental Scientist, Consulting Engineering & Science, Inc. Miami Florida. 2001 - 2004.

Responsible for environmental compliance of several Florida Department of Transportation projects in the Florida Keys. Specific duties include mitigation design, restoration and permit compliance of FDOT projects, including Key Deer Underpass Project on Big Pine Key. Provide wetland jurisdictional determinations, upland habitat analysis, and marine surveys for a variety of agency and private clients.

Wildlife Biologist, Fish and Wildlife Conservation Commission, Office of Environmental Services, Florida Keys Field Office. 1999-2001.

Reviewed development proposals in the Florida Keys for impacts to State listed threatened and endangered species. Coordinated agency review among many agencies in the Florida Keys including Florida Department of Environmental Protection, U.S. Army Corps of Engineers, U.S. Fish and Wildlife Service, Florida Department of Community Affairs, Florida Department of Transportation, and Monroe County.

Development Review Biologist, Department of Community Affairs, Florida Keys Area of Critical State Concern Field Office. 1998-1999.

Responsible for evaluating development proposals in all habitat types in the Florida Keys including Florida Department of Environmental Protection and South Florida Water Management District Environmental Resource Permits for consistency with State and local comprehensive plans.

Environmental Specialist, Department of Environmental Protection, Marathon Field Office. 1992-1998.

Conducted development review of projects in marine, wetland, and terrestrial habitats in the Florida Keys. Evaluated mitigation proposals, restoration projects, and project impacts on State and federally listed species. Prepared Environmental Resource Permit Biological Assessments, made recommendations on project design, and issued permits. Developed skills in complex environmental negotiations with private landowners on projects ranging from individual dock projects to large-scale public utility projects. Negotiated aspects of impact avoidance and minimization, project design, compensatory mitigation plans, and remediation for violations of State wetland protection laws.



Project Title: Districtwide Environmental Data & Report Consultant, FDOT District VI.

Dates: November 2014 - Present

Tasks: Senior Environmental Scientist specializing in environmental impact assessment, habitat and T & E species identification and impact evaluation, with the primary focus in the Florida Keys. Sub-consultant under prime contractor Stantec.

Contact / Stantec: Nichole Carter, 305-445-2900      Contact / FDOT District VI: Steven C. James, 305-470-5221

Project Title: Districtwide Miscellaneous Tasks Related to Mitigation Site Development, Maintenance and Monitoring (M & M), FDOT District VI.

Dates: May, 2013 to Present

Tasks: Senior Environmental Scientist specializing in mitigation site selection, mitigation design, project implementation, and environmental monitoring with the primary focus in the Florida Keys. Sub-consultant under prime contractor Metric Engineering.

Contact / Metric Engineering: Michael McCoy, 954-643-0423      Contact / FDOT District VI: Manuel Vega, P.E., 305-470-5281

Project Title: Districtwide Environmental Compliance Monitoring of Construction or Maintenance Projects for Compliance with All Permits and NEPA Documents, FDOT District VI.

Dates: May 2015 to Present

Tasks: Senior Environmental Scientist specializing in regulatory permit review, regulatory agency coordination and environmental impact assessment, with the primary focus in the Florida Keys. Sub-consultant under prime contractor CECOS Environmental Consulting.

Contact / CECOS: Mark Clark, 954-571-0290      Contact / FDOT District VI: Manuel Vega, P.E., 305-470-5281

Project Title: Districtwide General Engineering Consultant (GEC) C-9015, FDOT District VI.

Dates: March 2014 to Present

Tasks: Senior Environmental Scientist specializing in regulatory permit applications, permit review process, field studies including wetland delineation, marine benthic assessment, and T & E species assessments. Sub-consultant under prime contractor Aecom (URS).

Contact / Aecom: Keith Stannard, 305-495-2788      Contact / FDOT District VI - Manuel Vega, P.E., 305-470-5281

Project Title: Districtwide Permits Consultant C-9846, FDOT District VI.

Dates: May 2014 to Present

Tasks: Senior Environmental Scientist specializing in regulatory permit applications, permit review process, field studies including wetland delineation, marine benthic assessment, and T & E species assessments. Sub-consultant under prime contractor Stantec.

Contact / Stantec: Jeffrey H. Marcus, 305-528-4761      Contact / FDOT District VI: Manuel Vega, P.E., 305-470-5281

Project Title: Districtwide Permits Consultant C-9155, FDOT District VI.

Dates: January 2012 to Present

Tasks: Senior Environmental Scientist specializing in regulatory permit applications, permit review process, field studies including wetland delineation, marine benthic assessment, and T & E species assessments. Sub-consultant under prime contractor Aecom (URS).

Contact / Aecom: Keith Stannard, 305-495-2788      Contact / FDOT District VI: Manuel Vega, P.E., 305-470-5281

# Relevant Experience

City of Key West  
General Engineering Services

RFQ # 17-002



# Relevant Experience



## Trumbo Road Shoreline Stabilization

Key West, FL

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**Client Name:** City of Key West   **Client Contact:** Karen Olson, Deputy Director Port & Marine Services; 305.809.3803  
**Completion Date:** 2016   **Design Services Fee:** \$70,000   **Project Cost:** \$85,000   **Contractor:** Charley Toppino & Sons, Inc.

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This successfully project involved the stabilizing of 225 linear feet of existing shoreline. The shoreline was previously stabilized with inadequate debris and the adjacent road was at risk of failure. Existing utilities were also at risk and were exposed in several areas. The section was designed using varying sizes of rip-rap placed on top of a filter fabric liner. Environmental permits were required through Florida Department of Environmental Protection,

and The United States Army Corps of Engineer. Upon completion of the benthic survey, coordination was required through NOAA/Florida Keys National Marine Sanctuary to relocate protected coral resources and mitigation was required to remove a small portion of mangroves. The new rip-rap provided a much improved look for the area and successfully prevented erosion.



## Sailfish Pier Replacement

Key West, FL

**Client Name:** City of Key West    **Client Contact:** Karen Olson, Deputy Director Port & Marine Services; 305.809.3803  
**Completion Date:** 2016    **Design Services Fee:** \$90,000    **Project Cost:** \$1,420,000    **Contractor:** D.N. Higgins, Inc.

Together with the City of Key West, this much needed pier replacement project was successfully completed. The old concrete pier was experiencing heavy deterioration and minor repairs over the years were not enough to keep this vital pier operational. Our scope of work included surveying, geotechnical testing, environmental reporting, civil, plumbing, electrical, fire protection, and structural design. The plans were permitted through the applicable agencies including Florida Department of Environmental Protection

and The United States Army Corps of Engineer. Prior to construction, all of the 17 houseboats had to be carefully relocated to a nearby pier and moved back upon completion of construction. The improvements included new steel piles, aluminum framed floating dock, utility pedestals including water, sewer, and electrical, and fire protection cabinets. All house boats were successfully moved back into place and the end users have been very happy with the upgrades.





## Dolphin Pier Replacement

### Key West, FL

Client Name: City of Key West Client Contact: Karen Olson, Deputy Director Port & Marine Services; 305.809.3803  
 Completion Date: Ongoing Design Services Fee: \$98,000 Project Cost: \$1,000,000 Contractor: TBD

Together with the City of Key West, this much needed pier replacement project is scheduled for construction in 2017. The old concrete pier was experiencing heavy deterioration and existing utility lines were in need of upgrades. Our scope of work includes surveying, geotechnical testing, environmental reporting, civil, plumbing, electrical, fire protection, and structural design. The plans were permitted through the applicable agencies including Florida Department of Environmental Protection and The United

States Army Corps of Engineer. Prior to construction, all 16 of the houseboats will need to be carefully relocated to a nearby pier and moved back upon completion of construction. The improvements included new steel piles, aluminum framed floating dock system, utility pedestals including water, sewer, and electrical, and fire protection cabinets.



## Angela Street Reconstruction

### Key West, FL

Client Name: City of Key West    Client Contact: GaryJ. Volenec, PE, City Engineer; 305.809.3967

Completion Date: 2017    Design Services Fee: \$47,000    Project Cost: \$130,000    Contractor: TBD

Stantec was asked to provide surveying, design, and permitting assistance services for the conversion of this dead end, minimal access road into a one-way exit for the Truman Waterfront Master Plan. The road served as an access point to several residences and an old utility building. The conversion to an exit from the Truman Waterfront parking lot will greatly assist with traffic flow and access in the area and enhance an underutilized portion of road. A

new sidewalk on the north side along with new ADA ramps will greatly assist with safe pedestrian travel through the corridor. Existing trees were avoided as much as possible to preserve the existing tree canopy. This project is expected to be constructed this year (2017).





## Palm and Hibiscus Islands

### Miami Beach, FL

**Client Name:** City of Miami Beach **Client Contact:** David Martinez, PE, Capital Improvements Director; 305.673.7073  
**Completion Date:** 2017 **Design Services Fee:** \$400,000 **Project Cost:** \$36,000,000 **Contractor:** Lanzo Construction Co.

Stantec served as Design Criteria Professional and Resident Project Representative for this design/build project which involves complete infrastructure reconstruction with primary goals including beautification and combatting the effects of sea level rise. Scope of work includes watermain and water service replacement, rehabilitation of the existing gravity sanitary sewer line and manholes, complete stormwater infrastructure improvements, roadway reconstruction including raising roads where possible and harmonization to properties, concrete work

including sidewalks, the undergrounding of overhead utilities for Florida Power & Light (FPL), AT&T, and Atlantic Broadband, and landscaping. The stormwater systems include a primary and secondary gravity collection system and large pump stations to discharge into Biscayne Bay. Environmental controls during construction and all maintenance of traffic had to be carefully monitored at all times. Close coordination with City staff and homeowners is most important to ensure impact to residents is minimized.



2015 - Award Winner APWA  
Consultant of the Year

## Caribbean Boulevard Improvements & Traffic Study

Cutler Bay, Florida, FL

Client Name: Town of Cutler Bay Client Contact: Alfredo Quintero, Director of Public Works; 305.234.4262

Completion Date: 2015 Design Services Fee: \$580,174 Project Cost: \$7,296,838.58 Contractor: Acosta Tractors, Inc.

Another award-winning project! Stantec was contracted by the Town of Cutler Bay as prime consultant to design improvements for the portion of Caribbean Boulevard between Coral Sea Road and SW 87th Avenue. Stantec was selected as the lead consultant and ATI was selected as the prime contractor to perform the roadway improvements. In collaboration, the team worked together to provide the Town a quality finished product on time and under budget. The project consisted of 1.8 miles of roadway improvements and included two traffic circles, pavement reconstruction, curb and gutter, sidewalks, concrete crosswalks, pavers, drainage facilities, medians, turn lanes, landscaping, irrigation, bus shelters, roadway lighting, pavement markings, signage and signalization.

This portion of Caribbean Boulevard is primarily a residential road. The improvements for Caribbean Boulevard included roundabouts at Gulf Stream Road and SW 192 Drive

for traffic calming and beautification. The corridor is a two-lane roadway with turn lanes, landscape medians and traffic calming splitter islands where plausible. Permitting included Miami-Dade County Public Works, DERM, and Town of Cutler Bay. The project also involved a traffic operational and capacity analysis study for the corridor. This included traffic data collection and field inventory of existing conditions, evaluation of existing signal operations and timings and development of optimal signal timing parameters (such as cycle length, actuated and effective green time, clearance time and phasing sequence) for five signalized intersections within the study area using HCS+, SYNCHRO and SIMTRAFFIC, left turn warrant analysis to determine storage lengths, capacity analysis of proposed traffic circles, and recommendations for improvements.





## Old Cutler Road Improvements (SW 97th Ave. to SW 87th Ave.), Palmetto Bay, FL

Client Name: Town of Cutler Bay Client Contact: Alfredo Quintero, Director of Public Works; 305.234.4262;  
 Completion Date: 2013 Design Services Fee: \$475,000 Project Cost: \$6,341,900 Contractor: Acosta Tractors, Inc.

This award winning project greatly enhanced Old Cutler Road between SW 97th Avenue and SW 87th Avenue. This Joint Participation Agreement (JPA) with Miami-Dade County successfully accomplished several project goals including pedestrian safety, traffic calming, improved traffic flow and beautification. Project elements included two traffic circles, pavement reconstruction, curb and gutter, new sidewalks, a shared use path, medians, continuous drainage system, medians, signalization upgrades, crosswalks, landscaping, irrigation, lighting, and several site amenities. Amenities included new bus shelters specifically designed for a unique Town feel, site furniture, the creation of a park area with rare native plant species provided by Fairchild Tropical Gardens, state historic designation markers, and an electronic message board.

This designated historic roadway required all improvements to respect the existing footprint, thus limiting the modification and/or additional widening of the road. This Miami-Dade County roadway is considered an arterial collector and the proposed configuration for Old Cutler Road included roundabouts at each end of the corridor for traffic calming and beautification. The 1.24 mile corridor between these two roundabouts are a two lane roadway with turn lanes, landscape medians and scramble lanes. Permitting including Miami-Dade County Public Works DERM and Town of Cutler Bay.



## Golden Beach Capital Improvements Project

### Golden Beach, FL

**Client Name:** Town of Golden Beach **Client Contact:** Alexander Diaz, Town Manager; 305.9.32.0744

**Completion Date:** 2014 **Design Services Fee:** \$1,125,000 **Project Cost:** \$17,000,000

**Contractor:** Southeastern Engineering Contractors

The resort-like community of Golden Beach is one of the most desirable in South Florida. This upscale community is home to many celebrities and multi-million dollar residences—in fact, even Eric Clapton named his album 461 Ocean Boulevard after a Golden Beach property!

With the community's reputation in mind, we designed a project to increase the community's infrastructure and aesthetic value. We developed a comprehensive Capital Improvements Program Master Plan focused on three major improvement areas: town-wide drainage, utilities underground relocation, and streetscape & traffic calming. Drainage improvements included design review, costs analysis, and recommendations based on the Town's existing stormwater master plan. This included construction inlets and culverts to collect and direct stormwater runoff to pumping stations discharging into the intracoastal waterway.

Utilities Underground Relocation improvements included a thorough analysis of the Town's existing power system configuration, and close coordination with FPL and other utility companies in developing a conceptual plan for burying all utility transmission and distribution lines throughout the entire Town.

We redefined and enhanced the Town's major thoroughfares and side to increase public safety, and improve the quality of life and aesthetic appeal. Improvements included highlighting intersections with concrete pavers and crosswalks, delineating of roadways with valley edge gutters, construction of traffic splitter islands and center median with new landscaping, and new lighting.





## Joe Celestin Community Center

North Miami, FL

**Client Name:** City of North Miami **Client Contact:** Wisler Pierre-Louis, PE, Public Works Director; 305.895.9838  
**Completion Date:** 2012 **Design Services Fee:** \$605,000 **Project Cost:** \$5,500,000 **Contractor:** Kaufman Lynn Construction

The City of North Miami sought to create, in collaboration with Stantec staff, an innovative and prestigious multi-purpose youth center with trend-setting results. Our design answered this call by featuring distinguished angled roofs and a large-scale mural on the outside wall entitled “I Dream to See”, the City’s first Art in Public Places project.

Residents chose the amenities based on what they felt was lacking in their neighborhood. This includes indoor and outdoor basketball and tennis courts, a dance/aerobics studio, weight training area, meeting and party room, teen lounge, day-care center, 12-station computer room, art room, health center and an outside patio with a water spray play area for children.

Our firm provided architecture and civil engineering services, and used sustainable design and construction methods to maximize the environmental benefits. An efficient lighting strategy was applied to reduce energy costs and specified recycled materials and those with a cradle to grave certification. In addition, we obtained water efficiency credits, including the Innovative Design Credit, by reducing the potable water use in the building and irrigation via design of a cistern and collection of rainwater.

It was important to our team to produce a community center that truly honored our commitment to our local neighborhoods not only through the building program but evidenced in the materials and systems used to protect and promote sustainability.



## Kerdyk Tennis Center Courts and Building (Phases I & II)

### Coral Gables, FL

Client Name: City of Coral Gables Client Contact: Ernesto Pino, AR, Asst. Public Works Director; 305.460.5004  
 Completion Date: 2016 Design Services Fee: \$138,000 Project Cost: \$1,600,000 Contractor: State Contracting

This project that involves renovation and improvements to the existing Kerdyk Tennis Center next to the Biltmore Hotel. Stantec completed final construction documents and permitting for the parking lot reconstruction including new curbing, new monument sign, site lighting, irrigation, landscaping, electrical enclosure, decorative concrete walkway, a crosswalk on Anastasia Avenue, new fencing, tennis court resurfacing and re-striping including new nets, and new stadium style lighting for the courts. The second

phase of improvements involves the renovation to the existing tennis center building and surrounding areas. Stantec is providing design and construction administration services for the complete renovation of the existing two story building. The design incorporates new program uses, relocation of pro shop at ground floor, and expansion of the second floor viewing areas.





## Sunset Islands 3 and 4

Miami Beach, FL

**Client Name:** City of Miami Beach **Client Contact:** Mina Samadi, PE, Senior Capital Project Coordinator; 305.673.7071  
**Completion Date:** 2017 **Design Services Fee:** \$300,000 **Project Cost:** \$10,900,000 **Contractor:** Ric-Man International, Inc

Stantec served as Design Criteria Professional and Resident Project Representative for this design/build project which involves complete infrastructure reconstruction with primary goals including beautification and combatting the effects of sea level rise. Scope of work includes watermain and water service replacement, rehabilitation of the existing gravity sanitary sewer line and manholes, complete stormwater infrastructure improvements, roadway reconstruction including raising roads in some areas and harmonization to properties, concrete work including valley gutters and driveways, the undergrounding of overhead utilities for Florida Power & Light (FPL), AT&T, and Atlantic Broadband, and landscaping. The stormwater

systems include a primary and secondary gravity collection system and one pump station for each island that discharge into Biscayne Bay. Environmental controls during construction and all maintenance of traffic had to be carefully monitored at all times. Close coordination with City staff and homeowners is most important to ensure impact to residents is minimized.



## Florida International University - Wastewater System SSES, I&I Elimination and Pump Station Upgrades, Miami, FL

Client Name: Florida International University Client Contact: Danny Paan, Senior Project Manager; 305.348.4005  
 Completion Date: 2013 Design Services Fee: \$723,000 Project Cost: \$2,880,000 Contractor: Stobs Brothers construction

FIU asked us to study and master plan an entire new wastewater collection and transmission system, to service the future needs of the entire eastern campus.

FIU operates a wastewater collection, pumping and transmission system comprised of 10 pumping stations. Nine pumping stations are at the Modesto Maidique main campus and another station is at the Engineering Campus. These 10 pump station areas comprise approximately 36,000 lineal feet of gravity pipes, 170 manholes and 6,500 lineal feet of force mains.

In order to comply with the Miami-Dade County DERM Volume Sewer Customer Ordinance, FIU requested our assistance with managing and performing studies, design, and construction management of a system-wide comprehensive program to upgrade the wastewater system. The program consisted of preparing and implementing a facilities master plan of improvements to the wastewater system to determine the conditions of the entire system, conducting studies to determine what repairs and improvements were necessary, prioritizing and programming the improvements, and providing adequate capacity at its two master pumping stations to allow for future growth.

Master planning and programming the wastewater system improvements at both the 360-acre Modesto Maidique Campus and the 35-acre Engineering and Applied Sciences Campus, located approximately one-half mile north of the main campus. The work was initially associated with the University's compliance with the Volume Sewer Customer Ordinance (VSCO), requiring the University to perform SSES and I&I reduction, and to report on the amount of reduction achieved by Nov. 12, 2012. Two of the 10 pump stations exhibited greater than 5,000 gpd of I&I at the start of the program. The work associated with the I&I elimination was completed by May of 2011, roughly one year ahead of schedule. Eliminating a substantial amount of the I&I early allowed the entire collection system to come into compliance with the VSCO, and allowed construction of the pumping stations to proceed with confirmation of what the tributary flows would be, without need for oversizing the pumps.

Design of the two master pump station improvements followed the I&I work, and final hydraulic calculations were completed based on existing and future campus demands and the reduced I&I being experienced.





## Palmetto Bay Drainage Improvements (Phases 1-5)

Palmetto Bay, FL

Client Name: Village of Palmetto Bay Client Contact: Corrice Patterson, Director of Public Works; 305.969.5011  
 Completion Date: 2015 Design Services Fee: \$200,000 Project Cost: \$2,200,000 Contractor: Varies

Our company performed field surveying, design, permitting, bidding, and construction administration of drainage improvements at various locations throughout the Village. The Village’s stormwater master plan identified and prioritized areas with flooding problems. Many areas had no existing drainage while others had old, ineffective systems. Each phase of construction included the installation of

drainage structures, exfiltration trenches, connections to the existing systems, and associated restoration. Each project has successfully implemented much needed drainage improvements. The improvements were funded by stormwater utility money and grants through FDEP.



## House Boat Road Restoration

### Key West, FL

Client Name: FDOT District 6    Client Contact: John Palenchar (retired); 305.803.1653    Completion Date: 2012

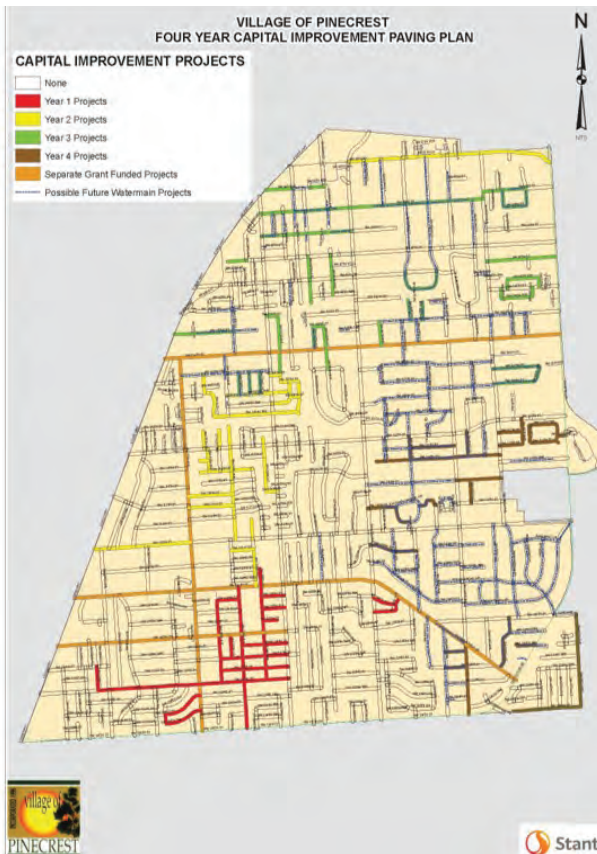
Design Services Fee: \$45,899    Project Cost: \$1,100,000    Contractor: Charley Toppino & Sons, Inc.

The Houseboat Row site is a historic seagrass flat that was dredged for the mooring of houseboats.

Our company was responsible for the environmental services and monitoring a contractor to restore 2.61 acres of seagrass habitat at the historic Houseboat Row site located just east of South Roosevelt Boulevard in Key West. We restored the dredged area by backfilling the area to re-establish the historic elevation for successful seagrass colonization. The proposed project was authorized and permitted by the U.S.

Army Corps of Engineers (USACE) and the South Florida Water Management District (SFWMD) as mitigation for impacts associated with the reconstruction and roadway improvements of North Roosevelt Boulevard (SR 5/US 1). Our multi-disciplinary team of technical professionals assisted with the design, MOT development, and environmental and construction oversight.





## Pavement Evaluation and Four Year Maintenance & Rehabilitation Plan, Pinecrest, FL

Client Name: Village of Pinecrest Client Contact: Mark Spanioli, Public Works Director; 305.669.6916

Completion Date: Ongoing Design Services Fee: \$100,000 Project Cost: \$5,000,000 Contractor: H&J Asphalt Inc.

Stantec developed a Pavement Management System (PMS) for approximately 120 miles of Village owned road. Automated field data of pavement distresses were collected with Stantec's RT3000 vehicle and loaded into MicroPaver to determine Pavement Condition Index (PCI). The PCI is a subjective method of evaluating distresses in pavement by providing a numerical rating between 0 and 100 where 0 is worst and 100 is best condition. Utilizing MicroPaver, prediction/deterioration models were developed to predict future pavement conditions and identify Maintenance and

Rehabilitation (M&R) projects. Stantec completed a final report which included a strategic Four-Year M&R work plan and a budget analysis to address these projects. The recommended projects were integrated into a Village map using GIS which was presented to the Village Council for approval.



## Gables Bike and Pedestrian Study

Coral Gables, FL

Client Name: City of Coral Gables Client Contact: Glenn Kephart, PE, Public Work Director; 305.460.5001  
 Completion Date: 2012 Design Services Fee: \$85,000 Project Cost: \$N/A Contractor: N/A

Helping Coral Gables design and ensure funding for a Pedestrian and Bicycle Master Plan throughout the City.

The City of Coral Gables selected our company to assist them with the development of a Pedestrian and Bicycle Master plan as part of a grant for the development of same prior to implementation of funding for implementation of any citywide improvement projects. Stantec was instrumental in submitting and securing the grant application which yielded both the initial study funding and that of the first

\$400,000.00 implementation budget. Project scope included research into City documents for predecessor plans, preparation of a "handle bar survey", coordinating with local community groups, development of the initial improvement master plan and public presentation of same. Final presentation to the city commission for ratification prior to incorporating the plan into the city capital improvements program.





## Gibson Park

Miami, FL

**Client Name:** City of Miami **Client Contact:** Jose Lago, Senior Project Manager; 305.416.1252  
**Completion Date:** 2016 **Design Services Fee:** \$649,202 **Project Cost:** \$15,000,000  
**Contractor:** Recreational Design and Construction, Inc. (RDC)

Toddlers wading in the splash park, pee-wee sized football players in oversized helmets, and proud parents cheering-on their children from rainbow-colored benches – all these sights bring new hope to the residents of Overtown.

In an effort to revitalize the community, the local Community Redevelopment Agency (CRA) enlisted Stantec to reconstruct the existing Gibson Park located in a historic but run-down section of Miami. Improvements included a Gold LEED® certified 6,700 SF recreation building and aquatics center, sports field improvements, landscape improvements,

and park amenities including a children’s play area and a perimeter walking trail and parking.

We recently completed Phase 2 of this Gold LEED® certified project which consists of an indoor NBA standards basketball court, concession stand, classrooms and multi-purpose community rooms. This 22,000 sq ft addition to the existing community center will help to complete the building and provide the community with gathering spaces and various activities for the young and young at heart.





## Pelican Harbor Marina Improvements

Miami, FL

Client Name: Miami-Dade County Parks and Recreation Dept. Client Contact: Byron Dowell; 305.755.7810;  
 Completion Date: 2015 Design Services Fee: \$120,000 Project Cost: \$2,100,000 Contractor: HRT Construction Inc.

We were selected for the engineering design, permitting and construction administration for the renovation of this public marina. The watermain, electrical, and fire protection piping were all replaced due to heavy corrosion and deterioration. New utility pedestals were installed to allow each slip to access water and electrical hook ups. New lighting was installed at the fuel dock, a very busy area at this marina. Extensive structural repairs to the existing pile caps were also completed and the deck of Pier A was completely replaced with pre-stressed

double tees. The work was all completed while the marina remained open and operational. The success of this project was made possible with help from the dock master to move boats as work was completed in 4 phases. Miami-Dade Parks was very happy with the completion of this project.

# Proposed Management Approach

City of Key West  
General Engineering Services

RFQ # 17-002



# Proposed Management Approach

Municipalities and publicly-owned utilities have been our backbone clients since shortly after our firm's formation. We know that Municipal needs stem from the natural mission of a municipality, which is to serve its citizens with necessary services at a high value - meaning a high ratio of quality to cost. Our mission, therefore, has been to provide high value services to our clients, by understanding those needs and working hard to satisfy them, and exceed them. In so doing we become an extension of our client by making their mission ours as well. And it is for this very reason that Stantec has succeeded in maintaining a long list of repeat municipal clients, with whom long relationships have been formed.

Our understanding of the contract is that the City of Key West is seeking one or more qualified firms to provide planning services, design services, permitting assistance, bid and proposal development services, and services during construction of a variety of engineering projects. The Stantec team can provide all of these services on a regular basis, and understands the needs of how each are handled.

**The Stantec team approach to any general service contract is to simplify the process and streamline the effort by assigning the best, most qualified individuals to the assignments,** and keeping them in those positions so that the experience they gain through working there allows them to function more efficiently for the Owner. Our work on task order based contracts has provided us with a methodology that can be implemented on all similar type contracts.

The main priority is to develop an organizational structure that meets the needs of the owner by placing experienced staff at their disposal. To this end, an organizational chart is included that indicates the personnel that we are committing to this contract. Please note that even though individuals have been indicated by their main area of expertise, almost all individuals possess experience and talent that allows them to perform many other civil engineering related tasks beyond that which is shown, to collaborate on projects, and to serve as formal or informal quality reviewers and in support to those individuals in the primary assignment.

The second priority is to establish clear lines of communication and responsibility, as well as the methods by which all tasks are assigned and handled. For this contract, the Principal in Charge and Project Manager will be vital as the points of contact and all task assignments will go through them. From the moment that a specific task is requested, a specifically designed method of approach is implemented and is outlined in flow chart form as shown herein. This "tracking" method has proven to be very valuable to our clients and has worked well over the years.

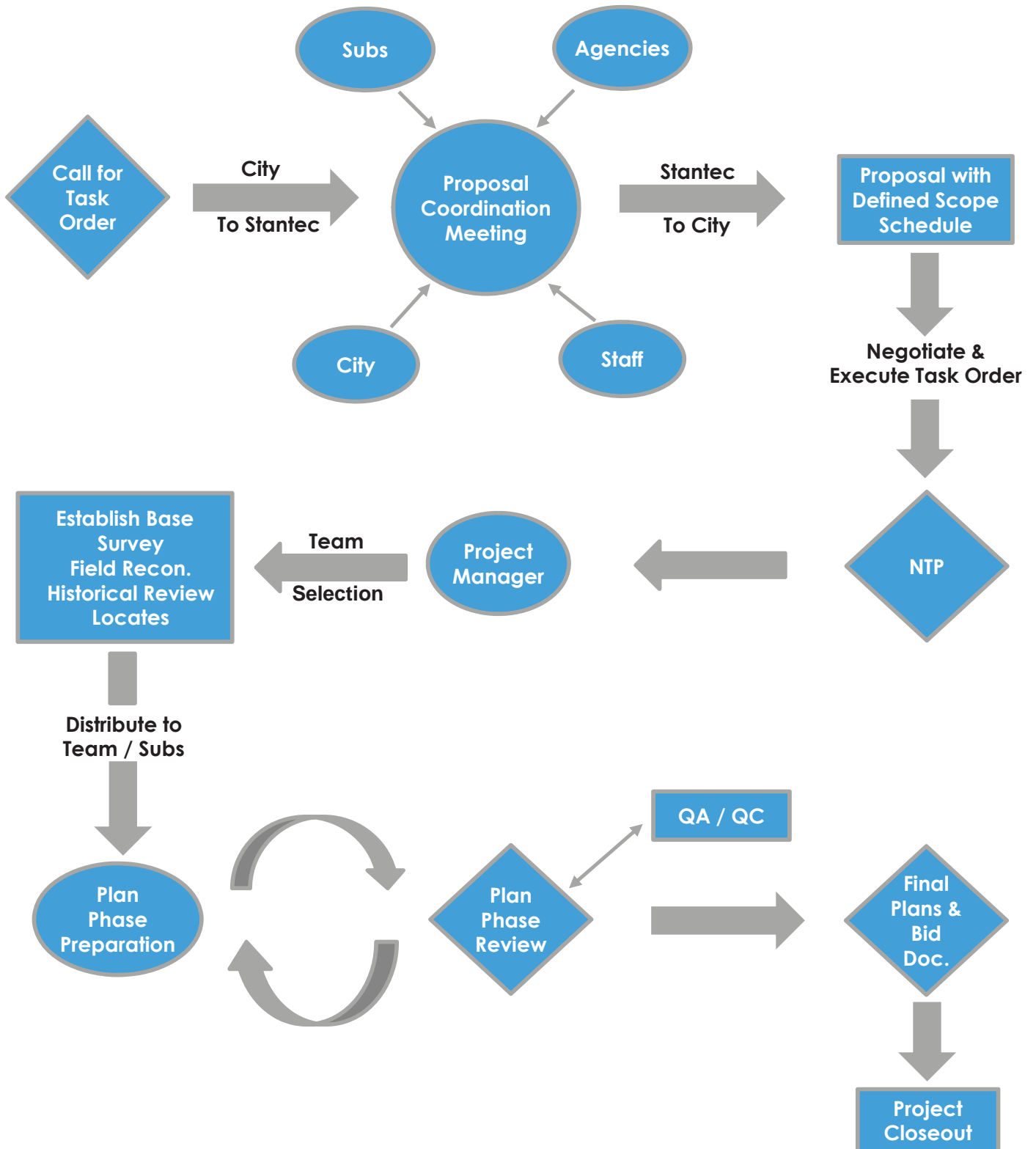
For the services requested, we propose to separate the specific tasks as requested by the owner and steer it in the direction of our in-house specialists. As the request for a specific task originates with the City, the principal in charge and project manager shall respond to each and every request as the point of contact and then disseminate the work accordingly. In this manner, consistency and continuity are maintained throughout the duration of the contract, and the potential for lost tasks or requests is greatly reduced and eliminated. Interaction with City staff and other consultants will also be addressed up front by the project manager so as not to get involved in too many layers of personnel which can confuse and delay objectives. The idea is for our team to stand in the shoes of the owner as if we were the City and not look at this as an assignment to pick up and complete separately. Since Stantec has an in-house public information department, we are increasingly aware of the importance to act on behalf of the owner as if we were one of the major stakeholders in every action that is taken.

Specifically for this contract, we have assigned **Sean Compel, PE, LEED AP as Project Manager**. Sean is a Senior Associate of our firm and will commit his time to the management of this contract, and has the knowledge, experience, and ability to utilize all available resources and manpower to complete the task successfully. Should the level of attention require that more time is needed, adjustments in internal work load will be made to allow the contract to function as needed. In fact, all general service contracts have peaks and valleys of time requirements that come and go with the needs. Stantec is aware of this and the success of our firm exemplifies the fact that we have learned how to accommodate owner's time demands.



### Task Order Management Flow Chart

The following task order management flow charts describe the overall steps for a general continuing contract:



## Civil Engineering Services

The Stantec team has a great deal of experience in civil engineering projects in the South Florida area, especially in roadway and drainage. We are local experts for drainage facilities of all types, including their benefits and cost. We have experience with exfiltration trench systems, slab-covered trench systems, dry & wet detention, pump stations, gravity well, pumped wells, and direct outfall to the drainage canal and other water bodies. Our approach to a roadway and drainage design starts by evaluating all possible solutions for effectiveness, cost and permitability. We model all our drainage designs using advanced software programs like ICPR, HEC and GIS to establish the effectiveness of the proposed solutions for varying storm events. Our team will provide several solutions with their associated cost estimates and our recommendations for the City's evaluation. When the proposed solution is selected, we will prepare plans and specifications in accordance to local, state and federal regulations. Our familiarity with these projects will allow us to quickly get the project designed, permitted, and constructed.

Stantec has extensive experience in roadway improvements, beautifying areas with streetscape and landscaping while providing necessary infrastructure upgrades including drainage, water, and sewer. Additional engineering experience includes numerous roadway improvements including widenings, reconstruction, drainage upgrades, signalized intersections, and traffic calming, as well as major highway and interchange work. Stantec provides an integrated approach with innovative solutions to satisfy the City and its residents.

A few examples of our recent experience are shown in the related project experience and range from small localized ponding projects to large regional drainage projects. Of special note is Palm and Hibiscus Island Neighborhood Improvements which is currently under construction in Miami Beach. This project consists of full infrastructure improvements including drainage and roadway for over 100 acres of residential neighborhood on these islands off the MacArthur Causeway. The area is tidally influenced and many of the roadways were built below the seasonal high tides. Thus, the streets flooded several times during the year. The existing drainage system did not meet the minimum standards established by the City and was extremely flood prone. Stantec analyzed several solutions including pump assisted wells, exfiltration trenches and a large pump station. The City decided to go with a large pump stations for each island with discharge outfalls to Biscayne Bay. Additional elements of the project included full roadway reconstruction, undergrounding of existing utilities, new curb and gutter, lighting improvements, and landscaping.

The Stantec team is also experienced in the preparation and execution of Stormwater Master Plans and Floodplain Management Plans. Our team has the expertise in local drainage solutions and hydraulic modeling to prepare a superior master plan that will focus on feasible solutions. We have not only planned but also constructed the drainage facilities including pump stations, exfiltration trench systems, direct outfalls to canals or other water bodies, gravity and drainage wells. Our extensive experience in local drainage systems and conditions will help strengthen the master plan by providing viable solutions with accurate cost and schedules. Drainage solutions would be provided for varying levels of protection including schematic design and cost estimates. This allows the City to submit for grant funding for projects that provide higher level protection with funding that was previously beyond the City's reach. These projects providing protection for 25-year and 100-year storms would be eligible for credit under FEMA's Community Rating system to potentially improve the City's Class.

## Utility Engineering Services

We have worked with public water & sewer utilities throughout South Florida, in the areas of pump stations, water distribution, gravity collection systems, reclaimed water systems, telemetry and SCADA systems, and are familiar with the local, county, and regional regulatory requirements, permitting processes, and the typical conditions placed upon construction and operational permits.

Over the years, these relationships have allowed us the opportunity to work closely with clients on projects for planning and implementation of facilities. We have completed campus wide SSES and pump station improvements at Florida International University (FIU) and completed the design of numerous pump station rehabilitation projects for Miami-Dade Water and Sewer Department as part of their consent decree program.

On water & sewer projects, we have represented cities and institutions such as FIU, Pinecrest, North Miami Beach, South Miami, Medley, Lauderhill, Plantation and Miami-Dade Water and Sewer Department. These long-term relationships illustrate our ability to solve diverse and complex programs and to create practical and concise solutions that can be implemented. Our services have even extended to projects involving conversion of overhead utilities to underground. The Palm & Hibiscus Islands project is one such example, as well as the successfully completed Golden beach CIP project. Both large-scale capital projects included facilities for electrical and communication companies.

## Solid Waste Engineering Services

Stantec provides solutions for developing an overall program for solid waste management, through to opportunity assessments and implementation. One such project was completed for the City of Miami Solid Waste Department and involved a truck Decanting Transfer Station. The City was in desperate need of an environmentally compliant transfer station with limited space to work with. The facility was designed directly adjacent to a mini-dump to utilize the existing elevated ramp structure. The City has been operating efficiently at this location now for several years.

Stantec understands the challenges associated with operating, maintaining, and expanding solid waste operations. We endeavor to establish economically feasible solutions to complex regulations, and evaluate the economics and overall effect of solid waste facilities on surrounding communities.

We recognize the key to developing solid waste management systems is a thorough understanding of waste types and quantities, including historic/future trends and the effects on demographics. With increasingly stringent environmental regulations, established methods of solid waste disposal have been scrutinized. Our experience extends beyond traditional design and construction services to include facility management and operation.

At Stantec we enjoy a reputation for high quality service delivery. Through our people, best practices, partnerships, and technology, we support the delivery of projects varying in size and complexity and provide our clients with first-rate results.

## Coastal Engineering Services

Coastal science, engineering design, and ecology are disciplines we truly understand, and as a result, we are able to develop designs that are self-sustaining and work with natural processes. We are leaders in the field of coastal restoration, constantly setting the bar for continued technical innovations and ecological sensitivity. Our coastal restoration professionals are passionate about their careers and include engineers, soil scientists, regulatory experts, aquatic toxicologists, botanists, and hydrologists. Our multi-disciplinary team will consistently deliver a complete understanding of interdependencies and ultimate performance metrics, blended with a clear understanding of your needs, throughout the project lifecycle.

The Stantec Division of Environmental Services provides a wide array of expertise in the areas of natural, physical, and socio-economic impact analysis, documentation and mitigatory solutions. Our staff have well established reputations and are respected within the environmental regulatory community for the highest quality of work and responsiveness. Our capabilities are based on solid education, experience, and understanding of the need to balance development and the preservation of the environment.

Our Environmental Services of interest to the City include Field Investigations, Environmental Reports, and Regulatory Permits. Field Investigations cover Wetland Evaluations, Seagrass, Mangroves and Freshwater Emergents. Other environmental investigations and reports are Coral Relocations, Water Quality Studies, Hardwood hammocks, Pineland Communities, Threatened / Endangered Species Testing & Analysis, Contamination assessment, Air Quality Evaluation, Noise Study Assessments, Socio-Economic Demographic Analysis. We have also performed Environmental Impact Statements, Environmental assessments, Categorical Exclusions, Reevaluations, Contamination assessment Reports – Liability, Phase I and II Audits, Endangered Species Biological Assessments, Wetland Evaluation Reports, Essential Fish Habitat, Air Quality Reports, and Noise Study Reports. Our wide-ranging capabilities can help the City meet any environmental challenge that it may be faced with.



Environmental Permitting can be a confusing and complicated resulting in project delays or cancellation of necessary projects. Stantec experienced staff can help the City navigate through the process and offer solutions and accurate permitting timelines to successfully complete projects. Our permitting experience includes Wetland Jurisdictional Determination, Miami-Dade County DERM, Florida Department of Environmental Protection (FDEP), South Florida Water Management District (SFWMD), U.S. Army Corps of Engineers (USACE), Wetland Impact Assessment + Functional Analysis, UMAM, WRAP / WATER, Mitigation Assessments, and Permit Compliance Monitoring.

## Structural Engineering Services

Our Structural Engineers have done it all - from buildings to bridge structure design, and threshold building inspections to forensic investigations. Signature design projects include the West Mashta Drive Bridge in Key Biscayne, Pompano State Farmers' Market (Department of Management Services), the Helen Miller Community Center at Segal Park (City of Opa-locka), and the Lifelong Learning Center (Florida Atlantic University). Other projects include the forensic investigation of several parking garages throughout South Florida, as well as threshold inspections on the Avborne Hangar at Miami International Airport.

We design the structural foundations to support the vital elements of our communities, including buildings, bridges, and roadways. From building foundations to superstructures, Stantec's structural engineers are proficient in a wide range of structures, environments, and materials. In fact, our structural engineering services have created the essential framework for some of the most significant structures in North America, including the longest bridge over ice-covered water in the world, the Confederation Bridge. Our structural vision is to deliver a reliable and solid framework that withstands the test of time. Successful structures are measured not only by their stability, but also by their economy in fulfilling their purpose. Successful solutions do more with less.

At Stantec, we are involved in the evaluation, renovation, and rehabilitation of existing structures on an ongoing basis. Our services include specialized structural analyses, computer modeling and analyses, earthquake and vibration control, blast resistant structures, cable supported structures, as well as domes and tension fabric structures.

We are committed to continuous innovation and devote our abilities to bringing the latest technology to every project. As a unit within Stantec's Buildings Engineering group, we have access to decades of experience and encourage a multidisciplinary, integrated approach to delivering optimum design solutions.

## Public Presentations and Public Hearings

It would not be uncommon for the General Engineering Environmental Consultant to be asked to make public presentation before the City Commission, before other regulatory bodies, or to the public. Stantec is very experienced and knowledgeable in making such presentations, preparing exhibits, handouts, and responding to questions in non-technical language that is understandable to residents and stakeholders. We have made presentations to elected bodies as well as to the public at public hearings and at informal neighborhood gatherings, and we have conducted charrettes and brainstorming sessions, some with the public present and others with stakeholders. When conducting charrettes and brainstorm sessions, we have guidelines for the facilitator and the group to follow.

## Cost Estimating and Scheduling Control

Stantec is experienced in permit and plan production scheduling for certain types of projects. Permitting can affect the cost estimate from the basis that last minute changes required by agencies can sometimes blow estimates out of the water and cancel projects altogether. We shall determine all possible impacts early on so that the preliminary cost estimates stay relatively the same as the plans are finalized. A schedule shall be submitted at the NTP so the City can track production as well as permitting all the way through bid and security of contractor. Construction material costs have varied greatly over the last few years causing a lot of problems with accurate cost estimates. Stantec has general contractors on staff as well as experienced construction administrators to ensure that cost estimates are current and realistic.

## Cost Control

Cost estimating remains a critical part of our design process and cost control methodology. Stantec will develop all costs within the defined goals using constructability analysis, value engineering, budget constraints, and scheduling to achieve those goals. Cost control will be achieved by adopting a predictive cost planning approach. Generally, we produce these cost estimates during the course of the design. During all phases of the project, Stantec will review the construction cost estimates and refine the design to maintain the project on-budget and on-time.

Stantec has extensive experience in helping municipalities achieve positive bottom line results by improving existing processes, identifying new ones, and pinpointing areas for cost savings. We have the management perspective and specialized knowledge needed in order to deliver major cost reductions with improved efficiencies to our clients. Our effective management team reviews the anticipated costs, researches alternative savings methods on a continual basis and monitors progress and quality to reduce your costs.

## Schedule Control

We understand how critical schedules are. Maintaining a project on schedule begins with understanding the key issues that drive it, and developing contingency plans to control it. The primary purpose of the project schedule is to provide a full accounting of all relevant activities and phases as well as the proper sequencing of project related events such that the project is delivered on schedule. We feel confident we can meet the City's project schedules because of our varied background of this kind. Following are some of the ways we propose to control the project schedule:

- Coordination with Subconsultants (long-standing relationships enable us to understand their process)
- Accelerate non-critical path activities to compensate for unforeseen delays later on
- Meet with City's staff, public officials, and key community members ahead of time for consensus on key project issues
- Pro-active Project Management Plan (PMP)
- Clear understanding of Scope of Services ensures schedule is created correctly from the beginning
- Allow for proper QA/QC time

## Quality Control

At Stantec, we use the most current technology, which allows for optimum and accurate design. We use an in-house peer review Quality Control / Quality Assurance (QA/QC) program to complete our assignments within schedule, at budgeted cost, and with high quality and reliability. All work is executed in conformance with applicable codes and standards. The work of any sub-consultants we use is subjected to the same review as our Stantec generated work.

We at Stantec are proud to be able to say that our firm-wide errors and omissions resulting in claims is less than 1/2 of 1% of construction budgets. This is due to the following:

- Principal Involvement during all Stages of Design and Construction
- Established QA-QC Program
- Independent Peer Review Prior to Major Deliverables

## Plan Methodology

The Stantec quality control team utilizes a two-part independent checking process for its projects. First and foremost is the development of the QC program to verify that the project analysis methods and work products meet or exceed the requirements of the project scope for all work items, are free of errors and omissions, and are based on sound practices and principles. Second is the development of the QA program to assure that the QC program is being complied with and is effecting compliance with the project scope of services. Basic tenets of the QC program include:

- The project manager has complete authority and responsibility to execute the work

- A “kick-off” meeting will be held with key members of the project team to define the scope of work and the quality requirements
- All project decisions will be documented
- All supporting calculations, text or data used to develop the project documents will be signed and dated by the preparer when the work is performed. All telephone conversations and meetings, which include or affect a project decision, will be documented. Minutes of meetings will be prepared and distributed to attendees for confirmation of decisions made and then filed after appropriate action.
- All project documents will be reviewed and/or checked by qualified individuals who are not directly performing the initial work activity. The individual doing the checking will sign and date the documents and will prepare a record of review after checking the findings. The findings will be resolved by the originator of the document and rechecked until satisfactorily resolved.
- The Project Manager or designated alternate(s) will monitor and evaluate the review and/or checking activity for the project. The review will specifically cover such items as clarity, accuracy, completeness, scope compliance, etc. Any follow-up activity required will be noted and initiated as appropriate.
- The Project Manager or designated alternate(s) will monitor and evaluate the review and/or checking activity for the project. The review will specifically cover such items as clarity, accuracy, completeness, scope compliance, etc. Any follow-up activity required will be noted and initiated as appropriate.
- Individuals independent of project staffing will periodically and at specific targets review all project development documents for adequacy, conformance with the scope of work, completeness, accuracy, and proper documentation.

## Construction Services

The Stantec team includes a construction administration division fully staffed with knowledgeable inspectors experienced all types of municipal projects. Our construction managers are seasoned engineers with experience in competitive bid contracts, the standard contract languages used by municipalities, including the EJCDC and AIA issued documents, the conditions issued by FDEP on SRF Loan contracts, and are experienced with the documents that protect the Owner. The Stantec team has an organized process for bid evaluations, award recommendations, and NTP procedures, as well as submittal review, stamping, and record keeping. Additionally, the inspector’s logs and records, including site photographs are all maintained electronically and delivered to the owner with the contractor’s payment requests, or as requested by the owner. We are very familiar with the regulatory requirements that must be fulfilled and the close-out documents that are necessary to be satisfactorily presented before we certify a project as complete.

Having worked on projects whose funding can be from multiple sources, we usually develop checklists that are sometimes project specific, but more often than not have similar if not identical requirements, and these are used to substantiate payments.

All of our inspectors, and many of our engineers have special certifications for different trades or systems, and we assign these individuals to a project when needed. These include structural, electrical, mechanical, LEED, pavement, and maintenance of traffic. We understand our job, our responsibilities, as well as our limitations of authority, and we make sure contractors understand them as well, which makes for a smoother construction inspection and review process. Some of our staff have special OSHA training, including confined spaces, chlorine facilities, haz-mat, and others. If an individual requires training, it is done prior to the start of the project, and usually indicates that the contractor must also have similarly trained individuals and the certificates provided for our records and the City’s.

## Conclusion

We believe that the Stantec team has the experience and knowledge in planning and designing public and private projects that no other firm can match. We are confident that we can successfully fulfill and execute the requirements of this contract and provide the City of Key West with an outstanding project.



# Ability to Perform the Services

7.

City of Key West  
General Engineering Services

RFQ # 17-002



# Ability to Perform the Services

From engineers to architects, we have the comprehensive team of professionals ready to meet the City's needs—all in one place. We are very interested in this contract and our integrated team is committed to make it a success. Our skilled professionals will work together to deliver the best design solution and will be available to service expeditiously at the request of the City.

Because our team works together under one roof, knowledge and ideas are naturally shared through daily interactions—and that synergy of creativity and collaboration drives a successful project. Stantec confirms that our team is currently available to begin the services and confirm our availability and degree of accessibility to the City of Key West for anything you may need.

## Working with the City

Positively and Innovatively working with the City to move a project forward .....

In our continuous working relationship with the City of Key West, we have formed close ties, and have developed a clear and deep understanding of the City and its infrastructure.

We are intimately familiar with the Public Works Department Standards and procedures, and as such, there would be a very limited learning curve for us if we were selected to serve the City under this contract. Our deep and varied experience with other municipalities, local and across the state, gives us a broad view of problems and challenges being faced by cities across our region, and how these are being addressed and solved. We encourage innovation and the cross-pollination of ideas between our projects, and across our practice, affording the City with the resulting benefits that this produces.

In the process of having successfully completed so many high-profile public works projects in South Florida, we have learned the critical importance of expedited project execution and robust public involvement. We have developed a sensitivity to the unique and varied nature and challenges posed by public infrastructure construction in residential and commercial areas.

Our design and construction staff is deeply experienced with successfully delivering City projects in your neighborhoods. Our approach to managing the construction of public infrastructure projects is pro-active in nature, and based on a cooperative partnering relationship with the contractor, the City, the affected residents and businesses, and the greater public. We firmly believe that this approach is the key to both minimizing and mitigating impacts and inconveniences to the community.

Our Coral Gables office, which will perform the work under this contract, allows us to service the City almost immediately once a request is made. If we could not service our clients, we would not be retained so many times over multiple years and changes in government commission. And the City of Key West should expect to get a full level of service for the money they spend on consulting fees. Stantec can guarantee that we will be there when you call, respond in a professional manner, and provide you with a level of service second to none.

We look forward to working with the City of Key West and demonstrating the quality for which our company is known. Our clients have come to value our unique combination of integrated disciplines and commitment to excellence.

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City of Key West  
General Engineering Services

RFQ # 17-002







**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. 17-002 for

2. This sworn statement is submitted by Stantec Consulting Services Inc.  
 (Name of entity submitting sworn statement)

whose business address is 901 Ponce de Leon Blvd., Suite 900, Coral Gables, Florida 33134  
 \_\_\_\_\_ and (if applicable) its Federal  
 Employer Identification Number (FEIN) is 11-2167170 (If the entity has no FEIN,  
 include the Social Security Number of the individual signing this sworn statement.)

3. My name is Ramon Castella, PE, LEED AP and my relationship to  
 (Please print name of individual signing)

the entity named above is Vice 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.)

*Ramon Castella*  
(Signature)

April 18, 2017  
(Date)

STATE OF Florida

COUNTY OF Miami-Dade

PERSONALLY APPEARED BEFORE ME, the undersigned authority,

Ramon Castella, PE, LEED AP who, after first being sworn by me, affixed his/her signature in the  
(Name of individual signing)

space provided above on this 18<sup>th</sup> day of April, 2017.

My commission expires: November 27, 2019  
NOTARY PUBLIC  
*Grace Morales*



**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: Stantec Consulting Services Inc.

SEAL:

901 Ponce de Leon Boulevard, Suite 900  
Coral Gables, Florida 33134  
Address

  
Signature

Ramon Castella, PE, LEED AP  
Print Name

Vice President  
Title

April 17, 2017  
Date



**EQUAL BENEFITS FOR DOMESTIC PARTNERS AFFIDAVIT**

STATE OF Florida )  
 : SS  
COUNTY OF Miami-Dade )

I, the undersigned hereby duly sworn, depose and say that the firm of Stantec Consulting Services 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: Ramon Castella, PE, LEED AP

Sworn and subscribed before me this

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

  
NOTARY PUBLIC, State of Florida at Large

My Commission Expires: November 27, 2019





**City Ordinance Sec. 2-799****Requirements for City Contractors to Provide Equal Benefits for Domestic Partners**

(a) Definitions. For purposes of this section only, the following definitions shall apply:

- (1) **Benefits** means the following plan, program or policy provided or offered by a contractor to its employees as part of the employer's total compensation package: sick leave, bereavement leave, family medical leave, and health benefits.
- (2) **Bid** shall mean a competitive bid procedure established by the city through the issuance of an invitation to bid, request for proposals, request for qualifications, or request for letters of interest.
- (3) **Cash equivalent** means the amount of money paid to an employee with a domestic partner in lieu of providing benefits to the employee's domestic partner. The cash equivalent is equal to the employer's direct expense of providing benefits to an employee for his or her spouse.

The cash equivalents of the following benefits apply:

- a. For bereavement leave, cash payment for the number of days that would be allowed as paid time off for the death of a spouse. Cash payment would be in the form of the wages of the domestic partner employee for the number of days allowed.
  - b. For health benefits, the cost to the contractor of the contractor's share of the single monthly premiums that are being paid for the domestic partner employee, to be paid on a regular basis while the domestic partner employee maintains such insurance in force for himself or herself.
  - c. For family medical leave, cash payment for the number of days that would be allowed as time off for an employee to care for a spouse who has a serious health condition. Cash payment would be in the form of the wages of the domestic partner employee for the number of days allowed.
- (4) **Contract** means any written agreement, purchase order, standing order or similar instrument entered into pursuant to the award of a bid whereby the city is committed to expend or does expend funds in return for work, labor, professional services, consulting services, supplies, equipment, materials, construction, construction related services or any combination of the foregoing.
  - (5) **Contractor** means any person or persons, sole proprietorship, partnership, joint venture, corporation, or other form of doing business, that is awarded a bid and enters into a covered contract with the city, and which maintains five (5) or more full-time employees.
  - (6) **Covered contract** means a contract between the city and a contractor awarded subsequent to the date when this section becomes effective valued at over twenty thousand dollars (\$20,000).

- (7) **Domestic partner** shall mean any two adults of the same or different sex, who have registered as domestic partners with a governmental body pursuant to state or local law authorizing such registration, or with an internal registry maintained by the employer of at least one of the domestic partners. A contractor may institute an internal registry to allow for the provision of equal benefits to employees with domestic partner who do not register their partnerships pursuant to a governmental body authorizing such registration, or who are located in a jurisdiction where no such governmental domestic partnership registry exists. A contractor that institutes such registry shall not impose criteria for registration that are more stringent than those required for domestic partnership registration by the City of Key West pursuant to Chapter 38, Article V of the Key West Code of Ordinances.
- (8) **Equal benefits** mean the equality of benefits between employees with spouses and employees with domestic partners, and/or between spouses of employees and domestic partners of employees.
- (b) Equal benefits requirements.
- (1) Except where otherwise exempt or prohibited by law, a Contractor awarded a covered contract pursuant to a bid process shall provide benefits to domestic partners of its employees on the same basis as it provides benefits to employees' spouses.
- (2) All bid requests for covered contracts which are issued on or after the effective date of this section shall include the requirement to provide equal benefits in the procurement specifications in accordance with this section.
- (3) The city shall not enter into any covered contract unless the contractor certifies that such contractor does not discriminate in the provision of benefits between employees with domestic partners and employees with spouses and/or between the domestic partners and spouses of such employees.
- (4) Such certification shall be in writing and shall be signed by an authorized officer of the contractor and delivered, along with a description of the contractor's employee benefits plan, to the city's procurement director prior to entering into such covered contract.
- (5) The city manager or his/her designee shall reject a contractor's certification of compliance if he/she determines that such contractor discriminates in the provision of benefits or if the city manager or designee determines that the certification was created, or is being used for the purpose of evading the requirements of this section.
- (6) The contractor shall provide the city manager or his/her designee, access to its records for the purpose of audits and/or investigations to ascertain compliance with the provisions of this section, and upon request shall provide evidence that the contractor is in compliance with the provisions of this section upon each new bid, contract renewal, or when the city manager has received a complaint or has reason to believe the contractor may not be in compliance with the provisions of this section. This shall include but not be limited to providing the city manager or

- his/her designee with certified copies of all of the contractor's records pertaining to its benefits policies and its employment policies and practices.
- (7) The contractor may not set up or use its contracting entity for the purpose of evading the requirements imposed by this section.
- (c) Mandatory contract provisions pertaining to equal benefits. Unless otherwise exempt, every covered contract shall contain language that obligates the contractor to comply with the applicable provisions of this section. The language shall include provisions for the following:
- (1) During the performance of the covered contract, the contractor certifies and represents that it will comply with this section.
  - (2) The failure of the contractor to comply with this section will be deemed to be a material breach of the covered contract.
  - (3) If the contractor fails to comply with this section, the city may terminate the covered contract and all monies due or to become due under the covered contract may be retained by the city. The city may also pursue any and all other remedies at law or in equity for any breach.
  - (4) If the city manager or his designee determines that a contractor has set up or used its contracting entity for the purpose of evading the requirements of this section, the city may terminate the covered contract.
- (d) Enforcement. If the contractor fails to comply with the provisions of this section:
- (1) The failure to comply may be deemed to be a material breach of the covered contract; or
  - (2) The city may terminate the covered contract; or
  - (3) Monies due or to become due under the covered contract may be retained by the city until compliance is achieved; or
  - (4) The city may also pursue any and all other remedies at law or in equity for any breach;
  - (5) Failure to comply with this section may also subject contractor to the procedures set forth in Division 5 of this article, entitled "Debarment of contractors from city work."
- (e) Exceptions and waivers.

The provisions of this section shall not apply where:

- (1) The contractor does not provide benefits to employees' spouses.
- (2) The contractor is a religious organization, association, society or any non-profit charitable or educational institution or organization operated, supervised or controlled by or in conjunction with a religious organization, association or society.
- (3) The contractor is a governmental entity.

- (4) The sale or lease of city property.
- (5) The provision of this section would violate grant requirement, the laws, rules or regulations of federal or state law (for example, The acquisition services procured pursuant to Chapter 287.055, Florida Statutes known as the "Consultants' Competitive Negotiation Act").
- (6) Provided that the contractor does not discriminate in the provision of benefits, a contractor may also comply with this section by providing an employee with the cash equivalent of such benefits, if the city manager or his/her designee determines that either:
  - a. The contractor has made a reasonable yet unsuccessful effort to provide equal benefits. The contractor shall provide the city manager or his/her designee with sufficient proof of such inability to provide such benefit or benefits which shall include the measures taken to provide such benefits or benefits and the cash equivalent proposed, along with its certificate of compliance, as is required under this section.
- (7) The city commission waives compliance of this section in the best interest of the city, including but not limited to the following circumstances:
  - a. The covered contract is necessary to respond to an emergency.
  - b. Where only one bid response is received.
  - c. Where more than one bid response is received, but the bids demonstrate that none of the bidders can comply with the requirements of this section.
- (f) City's authority to cancel contract. Nothing in this section shall be construed to limit the city's authority to cancel or terminate a contract, deny or withdraw approval to perform a subcontract or provide supplies, issue a non-responsibility finding, issue a non-responsiveness finding, deny a person or entity prequalification, or otherwise deny a person or entity city business.
- (g) Timing of application. This section shall be applicable only to covered contracts awarded pursuant to bids which are after the date when this section becomes effective.



**CONE OF SILENCE AFFIDAVIT**

STATE OF Florida )  
 : SS  
COUNTY OF Miami-Dade )

I the undersigned hereby duly sworn depose and say that all owner(s), partners, officers, directors, employees and agents representing the firm of Stantec Consulting Services 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 18, 2017

\_\_\_\_\_  
(date)

Sworn and subscribed before me this

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

Grace Morales  
NOTARY PUBLIC, State of Florida at Large

My Commission Expires: November 27, 2019



**City Ordinance Sec. 2-773. - Cone of silence.**

- (a) *Definitions.* For purposes of this section, reference to one gender shall include the other, use of the plural shall include the singular, and use of the singular shall include the plural. The following definitions apply unless the context in which the word or phrase is used requires a different definition:
- (1) *Competitive solicitation* means a formal process by the City of Key West relating to the acquisition of goods or services, which process is intended to provide an equal and open opportunity to qualified persons and entities to be selected to provide the goods or services. Competitive solicitation shall include request for proposals ("RFP"), request for qualifications ("RFQ"), request for letters of interest ("RFLI"), invitation to bid ("ITB") or any other advertised solicitation.
  - (2) *Cone of silence* means a period of time during which there is a prohibition on communication regarding a particular competitive solicitation.
  - (3) *Evaluation or selection committee* means a group of persons appointed or designated by the city to evaluate, rank, select, or make a recommendation regarding a vendor or the vendor's response to the competitive solicitation. A member of such a committee shall be deemed a city official for the purposes of subsection (c) below.
  - (4) *Vendor* means a person or entity that has entered into or that desires to enter into a contract with the City of Key West or that seeks an award from the city to provide goods, perform a service, render an opinion or advice, or make a recommendation related to a competitive solicitation for compensation or other consideration.
  - (5) *Vendor's representative* means an owner, individual, employee, partner, officer, or member of the board of directors of a vendor, or a consultant, lobbyist, or actual or potential subcontractor or sub-consultant who acts at the behest of a vendor in communicating regarding a competitive solicitation.
- (b) *Prohibited communications.* A cone of silence shall be in effect during the course of a competitive solicitation and prohibit:
- (1) Any communication regarding a particular competitive solicitation between a potential vendor or vendor's representative and the city's administrative staff including, but not limited to, the city manager and his or her staff;
  - (2) Any communication regarding a particular competitive solicitation between a potential vendor or vendor's representative and the mayor, city commissioners, or their respective staff;
  - (3) Any communication regarding a particular competitive solicitation between a potential vendor or vendor's representative and any member of a city evaluation and/or selection committee therefore; and
  - (4) Any communication regarding a particular competitive solicitation between the mayor, city commissioners, or their respective staff, and a member of a city evaluation and/or selection committee therefore.
- (c) *Permitted communications.* Notwithstanding the foregoing, nothing contained herein shall prohibit:
- (1) Communication between members of the public who are not vendors or a vendor's representative and any city employee, official or member of the city commission;
  - (2) Communications in writing at any time with any city employee, official or member of the city commission, unless specifically prohibited by the applicable competitive solicitation.
    - (A) However, any written communication must be filed with the city clerk. Any city employee, official or member of the city commission receiving or making any written communication must immediately file it with the city clerk.
    - (B) The city clerk shall include all written communication as part of the agenda item when publishing information related to a particular competitive solicitation;

- (3) Oral communications at duly noticed pre-bid conferences;
  - (4) Oral presentations before publically noticed evaluation and/or selection committees;
  - (5) Contract discussions during any duly noticed public meeting;
  - (6) Public presentations made to the city commission or advisory body thereof during any duly noticed public meeting;
  - (7) Contract negotiations with city staff following the award of a competitive solicitation by the city commission; or
  - (8) Purchases exempt from the competitive process pursuant to section 2-797 of these Code of Ordinances;
- (d) *Procedure.*
- (1) The cone of silence shall be imposed upon each competitive solicitation at the time of public notice of such solicitation as provided by section 2-826 of this Code. Public notice of the cone of silence shall be included in the notice of the competitive solicitation. The city manager shall issue a written notice of the release of each competitive solicitation to the affected departments, with a copy thereof to each commission member, and shall include in any public solicitation for goods and services a statement disclosing the requirements of this ordinance.
  - (2) The cone of silence shall terminate at the time the city commission or other authorized body makes final award or gives final approval of a contract, rejects all bids or responses to the competitive solicitation, or takes other action which ends the competitive solicitation.
  - (3) Any city employee, official or member of the city commission that is approached concerning a competitive solicitation while the cone of silence is in effect shall notify such individual of the prohibitions contained in this section. While the cone of silence is in effect, any city employee, official or member of the city commission who is the recipient of any oral communication by a potential vendor or vendor's representative in violation of this section shall create a written record of the event. The record shall indicate the date of such communication, the persons with whom such communication occurred, and a general summation of the communication.
- (e) *Violations/penalties and procedures.*
- (1) A sworn complaint alleging a violation of this ordinance may be filed with the city attorney's office. In each such instance, an initial investigation shall be performed to determine the existence of a violation. If a violation is found to exist, the penalties and process shall be as provided in section 1-15 of this Code.
  - (2) In addition to the penalties described herein and otherwise provided by law, a violation of this ordinance shall render the competitive solicitation void at the discretion of the city commission.
  - (3) Any person who violates a provision of this section shall be prohibited from serving on a City of Key West advisory board, evaluation and/or selection committee.
  - (4) In addition to any other penalty provided by law, violation of any provision of this ordinance by a City of Key West employee shall subject said employee to disciplinary action up to and including dismissal.
  - (5) If a vendor is determined to have violated the provisions of this section on two more occasions it shall constitute evidence under City Code section 2-834 that the vendor is not properly qualified to carry out the obligations or to complete the work contemplated by any new competitive solicitation. The city's purchasing agent shall also commence any available debarment from city work proceeding that may be available upon a finding of two or more violations by a vendor of this section.

(Ord. No. 13-11, § 1, 6-18-2013)

## Evidence of Authority to Sign



**Stantec**

**Stantec Consulting Services Inc.**  
200 - 325 25th Street South East  
Calgary AB T2A 7H8  
Tel: (403) 716-8000  
Fax: (403) 716-8109

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April 2, 2013

To whom this may concern:

**Reference: Contract Signing Authority**

In response to a recent inquiry by your staff relative to the acquisition of Corzo Castella Carballo Thompson Salman, P.A. ("**C3TS**") by Stantec Consulting Services Inc. ("**Stantec**"), I hereby certify that Mr. Ramon Castella, P.E. has been appointed as a Vice President of Stantec by Board Resolutions dated December 3, 2012. As a Vice President, he has the Fiscal Authority to sign and enter into contracts on behalf of the firm up to the amount of \$2,000,000.

If you have any questions, please feel free to contact me.

Regards,

**STANTEC CONSULTING SERVICES INC.**

Jennifer Addison  
Senior Counsel and Secretary  
Tel: (403) 716-7986  
jennifer.addison@stantec.com

c. Ramon Castella, P.E.





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Florida Keys Land Surveying, LLC

**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. 17-002 for

2. This sworn statement is submitted by FLORIDA KEYS LAND SURVEYING  
(Name of entity submitting sworn statement)

whose business address is 19960 OVERSEAS HIGHWAY  
SUGARLOAF KEY, FL 33042 and (if applicable) its Federal  
Employer Identification Number (FEIN) is 46-3045721 (If the entity has no FEIN,  
include the Social Security Number of the individual signing this sworn statement.)

3. My name is ERIC ISAACS 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 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 t 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



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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)

(Date)

4-12-2017

STATE OF FLORIDA

COUNTY OF MONROE

PERSONALLY APPEARED BEFORE ME, the undersigned authority,

ERIC ISAACS  
(Name of individual signing)

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

space provided above on this 12 day of April, 2017

My commission expires:  
NOTARY PUBLIC





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Florida Keys Land Surveying, LLC

**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: FLORIDA KEYS LAND SURVEYING, LLC SEAL:

19960 OVERSEAS HWY  
Address SUGARLOAF KEY, FL 33042

[Signature]  
Signature

ERIC ISAACS  
Print Name

PRESIDENT  
Title

4-12-2017  
Date





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Florida Keys Land Surveying, LLC

**EQUAL BENEFITS FOR DOMESTIC PARTNERS AFFIDAVIT**

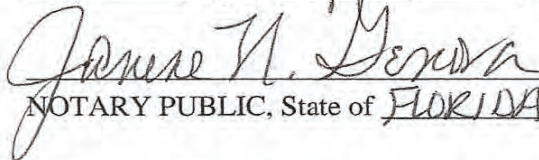
STATE OF FLORIDA )  
 : SS  
COUNTY OF MONROE )

I, the undersigned hereby duly sworn, depose and say that the firm of ERIC ISAACS 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:   
\_\_\_\_\_

Sworn and subscribed before me this

12 day of April, 2017

  
NOTARY PUBLIC, State of FLORIDA at Large

My Commission Expires:



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Florida Keys Land Surveying, LLC

**City Ordinance Sec. 2-799**

**Requirements for City Contractors to Provide Equal Benefits for Domestic Partners**

- (a) Definitions. For purposes of this section only, the following definitions shall apply:
- (1) **Benefits** means the following plan, program or policy provided or offered by a contractor to its employees as part of the employer's total compensation package: sick leave, bereavement leave, family medical leave, and health benefits.
  - (2) **Bid** shall mean a competitive bid procedure established by the city through the issuance of an invitation to bid, request for proposals, request for qualifications, or request for letters of interest.
  - (3) **Cash equivalent** means the amount of money paid to an employee with a domestic partner in lieu of providing benefits to the employee's domestic partner. The cash equivalent is equal to the employer's direct expense of providing benefits to an employee for his or her spouse.

The cash equivalents of the following benefits apply:

- a. For bereavement leave, cash payment for the number of days that would be allowed as paid time off for the death of a spouse. Cash payment would be in the form of the wages of the domestic partner employee for the number of days allowed.
  - b. For health benefits, the cost to the contractor of the contractor's share of the single monthly premiums that are being paid for the domestic partner employee, to be paid on a regular basis while the domestic partner employee maintains such insurance in force for himself or herself.
  - c. For family medical leave, cash payment for the number of days that would be allowed as time off for an employee to care for a spouse who has a serious health condition. Cash payment would be in the form of the wages of the domestic partner employee for the number of days allowed.
- (4) **Contract** means any written agreement, purchase order, standing order or similar instrument entered into pursuant to the award of a bid whereby the city is committed to expend or does expend funds in return for work, labor, professional services, consulting services, supplies, equipment, materials, construction, construction related services or any combination of the foregoing.
  - (5) **Contractor** means any person or persons, sole proprietorship, partnership, joint venture, corporation, or other form of doing business, that is awarded a bid and enters into a covered contract with the city, and which maintains five (5) or more full-time employees.
  - (6) **Covered contract** means a contract between the city and a contractor awarded subsequent to the date when this section becomes effective valued at over twenty thousand dollars (\$20,000).



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 Florida Keys Land Surveying, LLC

- (7) **Domestic partner** shall mean any two adults of the same or different sex, who have registered as domestic partners with a governmental body pursuant to state or local law authorizing such registration, or with an internal registry maintained by the employer of at least one of the domestic partners. A contractor may institute an internal registry to allow for the provision of equal benefits to employees with domestic partner who do not register their partnerships pursuant to a governmental body authorizing such registration, or who are located in a jurisdiction where no such governmental domestic partnership registry exists. A contractor that institutes such registry shall not impose criteria for registration that are more stringent than those required for domestic partnership registration by the City of Key West pursuant to Chapter 38, Article V of the Key West Code of Ordinances.
- (8) **Equal benefits** mean the equality of benefits between employees with spouses and employees with domestic partners, and/or between spouses of employees and domestic partners of employees.
- (b) Equal benefits requirements.
- (1) Except where otherwise exempt or prohibited by law, a Contractor awarded a covered contract pursuant to a bid process shall provide benefits to domestic partners of its employees on the same basis as it provides benefits to employees' spouses.
- (2) All bid requests for covered contracts which are issued on or after the effective date of this section shall include the requirement to provide equal benefits in the procurement specifications in accordance with this section.
- (3) The city shall not enter into any covered contract unless the contractor certifies that such contractor does not discriminate in the provision of benefits between employees with domestic partners and employees with spouses and/or between the domestic partners and spouses of such employees.
- (4) Such certification shall be in writing and shall be signed by an authorized officer of the contractor and delivered, along with a description of the contractor's employee benefits plan, to the city's procurement director prior to entering into such covered contract.
- (5) The city manager or his/her designee shall reject a contractor's certification of compliance if he/she determines that such contractor discriminates in the provision of benefits or if the city manager or designee determines that the certification was created, or is being used for the purpose of evading the requirements of this section.
- (6) The contractor shall provide the city manager or his/her designee, access to its records for the purpose of audits and/or investigations to ascertain compliance with the provisions of this section, and upon request shall provide evidence that the contractor is in compliance with the provisions of this section upon each new bid, contract renewal, or when the city manager has received a complaint or has reason to believe the contractor may not be in compliance with the provisions of this section. This shall include but not be limited to providing the city manager or



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- his/her designee with certified copies of all of the contractor's records pertaining to its benefits policies and its employment policies and practices.
- (7) The contractor may not set up or use its contracting entity for the purpose of evading the requirements imposed by this section.
- (c) Mandatory contract provisions pertaining to equal benefits. Unless otherwise exempt, every covered contract shall contain language that obligates the contractor to comply with the applicable provisions of this section. The language shall include provisions for the following:
- (1) During the performance of the covered contract, the contractor certifies and represents that it will comply with this section.
  - (2) The failure of the contractor to comply with this section will be deemed to be a material breach of the covered contract.
  - (3) If the contractor fails to comply with this section, the city may terminate the covered contract and all monies due or to become due under the covered contract may be retained by the city. The city may also pursue any and all other remedies at law or in equity for any breach.
  - (4) If the city manager or his designee determines that a contractor has set up or used its contracting entity for the purpose of evading the requirements of this section, the city may terminate the covered contract.
- (d) Enforcement. If the contractor fails to comply with the provisions of this section:
- (1) The failure to comply may be deemed to be a material breach of the covered contract; or
  - (2) The city may terminate the covered contract; or
  - (3) Monies due or to become due under the covered contract may be retained by the city until compliance is achieved; or
  - (4) The city may also pursue any and all other remedies at law or in equity for any breach;
  - (5) Failure to comply with this section may also subject contractor to the procedures set forth in Division 5 of this article, entitled "Debarment of contractors from city work."
- (e) Exceptions and waivers.

The provisions of this section shall not apply where:

- (1) The contractor does not provide benefits to employees' spouses.
- (2) The contractor is a religious organization, association, society or any non-profit charitable or educational institution or organization operated, supervised or controlled by or in conjunction with a religious organization, association or society.
- (3) The contractor is a governmental entity.



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### Florida Keys Land Surveying, LLC

- (4) The sale or lease of city property.
- (5) The provision of this section would violate grant requirement, the laws, rules or regulations of federal or state law (for example, The acquisition services procured pursuant to Chapter 287.055, Florida Statutes known as the "Consultants' Competitive Negotiation Act").
- (6) Provided that the contractor does not discriminate in the provision of benefits, a contractor may also comply with this section by providing an employee with the cash equivalent of such benefits, if the city manager or his/her designee determines that either:
  - a. The contractor has made a reasonable yet unsuccessful effort to provide equal benefits. The contractor shall provide the city manager or his/her designee with sufficient proof of such inability to provide such benefit or benefits which shall include the measures taken to provide such benefits or benefits and the cash equivalent proposed, along with its certificate of compliance, as is required under this section.
- (7) The city commission waives compliance of this section in the best interest of the city, including but not limited to the following circumstances:
  - a. The covered contract is necessary to respond to an emergency. b. Where only one bid response is received.
  - c. Where more than one bid response is received, but the bids demonstrate that none of the bidders can comply with the requirements of this section.
- (f) City's authority to cancel contract. Nothing in this section shall be construed to limit the city's authority to cancel or terminate a contract, deny or withdraw approval to perform a subcontract or provide supplies, issue a non-responsibility finding, issue a non-responsiveness finding, deny a person or entity prequalification, or otherwise deny a person or entity city business.
- (g) Timing of application. This section shall be applicable only to covered contracts awarded pursuant to bids which are after the date when this section becomes effective.

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Florida Keys Land Surveying, LLC

CONE OF SILENCE AFFIDAVIT

STATE OF FLORIDA )  
 : SS  
COUNTY OF MONROE )

I the undersigned hereby duly sworn depose and say that all owner(s), partners, officers, directors, employees and agents representing the firm of FLORIDA KEYS LAND SURVEYING LLC 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) 4-12-2017

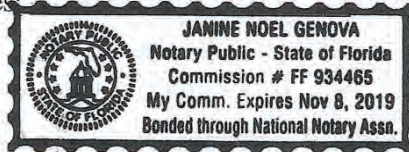
(date)

Sworn and subscribed before me this

12 Day of April, 2017

Janine N. Genova  
NOTARY PUBLIC, State of FLORIDA at Large

My Commission Expires:





Sub-consultants Forms  
 Florida Keys Land Surveying, LLC

**City Ordinance Sec. 2-773. - Cone of silence.**

- (a) *Definitions.* For purposes of this section, reference to one gender shall include the other, use of the plural shall include the singular, and use of the singular shall include the plural. The following definitions apply unless the context in which the word or phrase is used requires a different definition:
- (1) *Competitive solicitation* means a formal process by the City of Key West relating to the acquisition of goods or services, which process is intended to provide an equal and open opportunity to qualified persons and entities to be selected to provide the goods or services. Competitive solicitation shall include request for proposals ("RFP"), request for qualifications ("RFQ"), request for letters of interest ("RFLI"), invitation to bid ("ITB") or any other advertised solicitation.
  - (2) *Cone of silence* means a period of time during which there is a prohibition on communication regarding a particular competitive solicitation.
  - (3) *Evaluation or selection committee* means a group of persons appointed or designated by the city to evaluate, rank, select, or make a recommendation regarding a vendor or the vendor's response to the competitive solicitation. A member of such a committee shall be deemed a city official for the purposes of subsection (c) below.
  - (4) *Vendor* means a person or entity that has entered into or that desires to enter into a contract with the City of Key West or that seeks an award from the city to provide goods, perform a service, render an opinion or advice, or make a recommendation related to a competitive solicitation for compensation or other consideration.
  - (5) *Vendor's representative* means an owner, individual, employee, partner, officer, or member of the board of directors of a vendor, or a consultant, lobbyist, or actual or potential subcontractor or sub-consultant who acts at the behest of a vendor in communicating regarding a competitive solicitation.
- (b) *Prohibited communications.* A cone of silence shall be in effect during the course of a competitive solicitation and prohibit:
- (1) Any communication regarding a particular competitive solicitation between a potential vendor or vendor's representative and the city's administrative staff including, but not limited to, the city manager and his or her staff;
  - (2) Any communication regarding a particular competitive solicitation between a potential vendor or vendor's representative and the mayor, city commissioners, or their respective staff;
  - (3) Any communication regarding a particular competitive solicitation between a potential vendor or vendor's representative and any member of a city evaluation and/or selection committee therefore; and
  - (4) Any communication regarding a particular competitive solicitation between the mayor, city commissioners, or their respective staff, and a member of a city evaluation and/or selection committee therefore.
- (c) *Permitted communications.* Notwithstanding the foregoing, nothing contained herein shall prohibit:
- (1) Communication between members of the public who are not vendors or a vendor's representative and any city employee, official or member of the city commission;
  - (2) Communications in writing at any time with any city employee, official or member of the city commission, unless specifically prohibited by the applicable competitive solicitation.
    - (A) However, any written communication must be filed with the city clerk. Any city employee, official or member of the city commission receiving or making any written communication must immediately file it with the city clerk.
    - (B) The city clerk shall include all written communication as part of the agenda item when publishing information related to a particular competitive solicitation;



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### Florida Keys Land Surveying, LLC

- (3) Oral communications at duly noticed pre-bid conferences;
  - (4) Oral presentations before publically noticed evaluation and/or selection committees;
  - (5) Contract discussions during any duly noticed public meeting;
  - (6) Public presentations made to the city commission or advisory body thereof during any duly noticed public meeting;
  - (7) Contract negotiations with city staff following the award of a competitive solicitation by the city commission; or
  - (8) Purchases exempt from the competitive process pursuant to section 2-797 of these Code of Ordinances;
- (d) *Procedure.*
- (1) The cone of silence shall be imposed upon each competitive solicitation at the time of public notice of such solicitation as provided by section 2-826 of this Code. Public notice of the cone of silence shall be included in the notice of the competitive solicitation. The city manager shall issue a written notice of the release of each competitive solicitation to the affected departments, with a copy thereof to each commission member, and shall include in any public solicitation for goods and services a statement disclosing the requirements of this ordinance.
  - (2) The cone of silence shall terminate at the time the city commission or other authorized body makes final award or gives final approval of a contract, rejects all bids or responses to the competitive solicitation, or takes other action which ends the competitive solicitation.
  - (3) Any city employee, official or member of the city commission that is approached concerning a competitive solicitation while the cone of silence is in effect shall notify such individual of the prohibitions contained in this section. While the cone of silence is in effect, any city employee, official or member of the city commission who is the recipient of any oral communication by a potential vendor or vendor's representative in violation of this section shall create a written record of the event. The record shall indicate the date of such communication, the persons with whom such communication occurred, and a general summation of the communication.
- (e) *Violations/penalties and procedures.*
- (1) A sworn complaint alleging a violation of this ordinance may be filed with the city attorney's office. In each such instance, an initial investigation shall be performed to determine the existence of a violation. If a violation is found to exist, the penalties and process shall be as provided in section 1-15 of this Code.
  - (2) In addition to the penalties described herein and otherwise provided by law, a violation of this ordinance shall render the competitive solicitation void at the discretion of the city commission.
  - (3) Any person who violates a provision of this section shall be prohibited from serving on a City of Key West advisory board, evaluation and/or selection committee.
  - (4) In addition to any other penalty provided by law, violation of any provision of this ordinance by a City of Key West employee shall subject said employee to disciplinary action up to and including dismissal.
  - (5) If a vendor is determined to have violated the provisions of this section on two more occasions it shall constitute evidence under City Code section 2-834 that the vendor is not properly qualified to carry out the obligations or to complete the work contemplated by any new competitive solicitation. The city's purchasing agent shall also commence any available debarment from city work proceeding that may be available upon a finding of two or more violations by a vendor of this section.

(Ord. No. 13-11, § 1, 6-18-2013)





Sub-consultants Forms  
 Nutting Engineers of Florida, Inc.

**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 # 17-002 for  
 General Engineering Services
  
2. This sworn statement is submitted by Nutting Engineers of Florida, Inc.  
 (Name of entity submitting sworn statement)  
 whose business address is 2051 NW 112 Avenue, Suite 126, Miami, Florida 33172  
 \_\_\_\_\_ and (if applicable) its Federal  
 Employer Identification Number (FEIN) is 59-1159182 (If the entity has no FEIN,  
 include the Social Security Number of the individual signing this sworn statement.)
  
3. My name is Richard C. Wohlfarth, PE and my relationship to  
 (Please print name of individual signing)  
 the entity named above is Principal/Vice 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



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Nutting Engineers of Florida, Inc.

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.)

*Richard Wohlforth*

(Signature)  
April 6, 2017  
(Date)

STATE OF Florida

COUNTY OF Miami-Dade

PERSONALLY APPEARED BEFORE ME, the undersigned authority,

Richard C. Wohlforth, PE who, after first being sworn by me, affixed his/her signature in the  
(Name of individual signing)

space provided above on this 10th day of April, 2017.

My commission expires:  
NOTARY PUBLIC

*Tracy L. Meeks*





Sub-consultants Forms  
Nutting Engineers of Florida, Inc.

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: Nutting Engineers of Florida, Inc.

SEAL:



2051 NW 112 Avenue, Suite 126, Miami, Florida 33172  
Address

*Richard Wohlfarth*  
Signature

Richard C. Wohlfarth, PE  
Print Name

Principal/Vice President/Director of Engineering  
Title

April 6, 2017  
Date

Sub-consultants Forms  
Nutting Engineers of Florida, Inc.

**EQUAL BENEFITS FOR DOMESTIC PARTNERS AFFIDAVIT**

STATE OF Florida )  
 : SS  
COUNTY OF Miami-Dade )

I, the undersigned hereby duly sworn, depose and say that the firm of Nutting Engineers of Florida, 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: Richard C. Wohlfarth  
Richard C. Wohlfarth, PE

Sworn and subscribed before me this

10th day of April, 2017

Tracy L. Meeks  
NOTARY PUBLIC, State of Florida at Large

My Commission Expires: \_\_\_\_\_





Sub-consultants Forms  
 Nutting Engineers of Florida, Inc.

**City Ordinance Sec. 2-799**

**Requirements for City Contractors to Provide Equal Benefits for Domestic Partners**

(a) Definitions. For purposes of this section only, the following definitions shall apply:

- (1) **Benefits** means the following plan, program or policy provided or offered by a contractor to its employees as part of the employer's total compensation package: sick leave, bereavement leave, family medical leave, and health benefits.
- (2) **Bid** shall mean a competitive bid procedure established by the city through the issuance of an invitation to bid, request for proposals, request for qualifications, or request for letters of interest.
- (3) **Cash equivalent** means the amount of money paid to an employee with a domestic partner in lieu of providing benefits to the employee's domestic partner. The cash equivalent is equal to the employer's direct expense of providing benefits to an employee for his or her spouse.

The cash equivalents of the following benefits apply:

- a. For bereavement leave, cash payment for the number of days that would be allowed as paid time off for the death of a spouse. Cash payment would be in the form of the wages of the domestic partner employee for the number of days allowed.
  - b. For health benefits, the cost to the contractor of the contractor's share of the single monthly premiums that are being paid for the domestic partner employee, to be paid on a regular basis while the domestic partner employee maintains such insurance in force for himself or herself.
  - c. For family medical leave, cash payment for the number of days that would be allowed as time off for an employee to care for a spouse who has a serious health condition. Cash payment would be in the form of the wages of the domestic partner employee for the number of days allowed.
- (4) **Contract** means any written agreement, purchase order, standing order or similar instrument entered into pursuant to the award of a bid whereby the city is committed to expend or does expend funds in return for work, labor, professional services, consulting services, supplies, equipment, materials, construction, construction related services or any combination of the foregoing.
  - (5) **Contractor** means any person or persons, sole proprietorship, partnership, joint venture, corporation, or other form of doing business, that is awarded a bid and enters into a covered contract with the city, and which maintains five (5) or more full-time employees.
  - (6) **Covered contract** means a contract between the city and a contractor awarded subsequent to the date when this section becomes effective valued at over twenty thousand dollars (\$20,000).



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 Nutting Engineers of Florida, Inc.

- (7) **Domestic partner** shall mean any two adults of the same or different sex, who have registered as domestic partners with a governmental body pursuant to state or local law authorizing such registration, or with an internal registry maintained by the employer of at least one of the domestic partners. A contractor may institute an internal registry to allow for the provision of equal benefits to employees with domestic partner who do not register their partnerships pursuant to a governmental body authorizing such registration, or who are located in a jurisdiction where no such governmental domestic partnership registry exists. A contractor that institutes such registry shall not impose criteria for registration that are more stringent than those required for domestic partnership registration by the City of Key West pursuant to Chapter 38, Article V of the Key West Code of Ordinances.
- (8) **Equal benefits** mean the equality of benefits between employees with spouses and employees with domestic partners, and/or between spouses of employees and domestic partners of employees.
- (b) Equal benefits requirements.
- (1) Except where otherwise exempt or prohibited by law, a Contractor awarded a covered contract pursuant to a bid process shall provide benefits to domestic partners of its employees on the same basis as it provides benefits to employees' spouses.
- (2) All bid requests for covered contracts which are issued on or after the effective date of this section shall include the requirement to provide equal benefits in the procurement specifications in accordance with this section.
- (3) The city shall not enter into any covered contract unless the contractor certifies that such contractor does not discriminate in the provision of benefits between employees with domestic partners and employees with spouses and/or between the domestic partners and spouses of such employees.
- (4) Such certification shall be in writing and shall be signed by an authorized officer of the contractor and delivered, along with a description of the contractor's employee benefits plan, to the city's procurement director prior to entering into such covered contract.
- (5) The city manager or his/her designee shall reject a contractor's certification of compliance if he/she determines that such contractor discriminates in the provision of benefits or if the city manager or designee determines that the certification was created, or is being used for the purpose of evading the requirements of this section.
- (6) The contractor shall provide the city manager or his/her designee, access to its records for the purpose of audits and/or investigations to ascertain compliance with the provisions of this section, and upon request shall provide evidence that the contractor is in compliance with the provisions of this section upon each new bid, contract renewal, or when the city manager has received a complaint or has reason to believe the contractor may not be in compliance with the provisions of this section. This shall include but not be limited to providing the city manager or



## Sub-consultants Forms

### Nutting Engineers of Florida, Inc.

- his/her designee with certified copies of all of the contractor's records pertaining to its benefits policies and its employment policies and practices.
- (7) The contractor may not set up or use its contracting entity for the purpose of evading the requirements imposed by this section.
- (c) Mandatory contract provisions pertaining to equal benefits. Unless otherwise exempt, every covered contract shall contain language that obligates the contractor to comply with the applicable provisions of this section. The language shall include provisions for the following:
- (1) During the performance of the covered contract, the contractor certifies and represents that it will comply with this section.
  - (2) The failure of the contractor to comply with this section will be deemed to be a material breach of the covered contract.
  - (3) If the contractor fails to comply with this section, the city may terminate the covered contract and all monies due or to become due under the covered contract may be retained by the city. The city may also pursue any and all other remedies at law or in equity for any breach.
  - (4) If the city manager or his designee determines that a contractor has set up or used its contracting entity for the purpose of evading the requirements of this section, the city may terminate the covered contract.
- (d) Enforcement. If the contractor fails to comply with the provisions of this section:
- (1) The failure to comply may be deemed to be a material breach of the covered contract; or
  - (2) The city may terminate the covered contract; or
  - (3) Monies due or to become due under the covered contract may be retained by the city until compliance is achieved; or
  - (4) The city may also pursue any and all other remedies at law or in equity for any breach;
  - (5) Failure to comply with this section may also subject contractor to the procedures set forth in Division 5 of this article, entitled "Debarment of contractors from city work."
- (e) Exceptions and waivers.

The provisions of this section shall not apply where:

- (1) The contractor does not provide benefits to employees' spouses.
- (2) The contractor is a religious organization, association, society or any non-profit charitable or educational institution or organization operated, supervised or controlled by or in conjunction with a religious organization, association or society.
- (3) The contractor is a governmental entity.



## Sub-consultants Forms

### Nutting Engineers of Florida, Inc.

- (4) The sale or lease of city property.
- (5) The provision of this section would violate grant requirement, the laws, rules or regulations of federal or state law (for example, The acquisition services procured pursuant to Chapter 287.055, Florida Statutes known as the "Consultants' Competitive Negotiation Act").
- (6) Provided that the contractor does not discriminate in the provision of benefits, a contractor may also comply with this section by providing an employee with the cash equivalent of such benefits, if the city manager or his/her designee determines that either:
  - a. The contractor has made a reasonable yet unsuccessful effort to provide equal benefits. The contractor shall provide the city manager or his/her designee with sufficient proof of such inability to provide such benefit or benefits which shall include the measures taken to provide such benefits or benefits and the cash equivalent proposed, along with its certificate of compliance, as is required under this section.
- (7) The city commission waives compliance of this section in the best interest of the city, including but not limited to the following circumstances:
  - a. The covered contract is necessary to respond to an emergency.
  - b. Where only one bid response is received.
  - c. Where more than one bid response is received, but the bids demonstrate that none of the bidders can comply with the requirements of this section.
- (f) City's authority to cancel contract. Nothing in this section shall be construed to limit the city's authority to cancel or terminate a contract, deny or withdraw approval to perform a subcontract or provide supplies, issue a non-responsibility finding, issue a non-responsiveness finding, deny a person or entity prequalification, or otherwise deny a person or entity city business.
- (g) Timing of application. This section shall be applicable only to covered contracts awarded pursuant to bids which are after the date when this section becomes effective.



Sub-consultants Forms  
Nutting Engineers of Florida, Inc.

**CONE OF SILENCE AFFIDAVIT**

STATE OF Florida )  
 : SS  
COUNTY OF Miami-Dade )

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

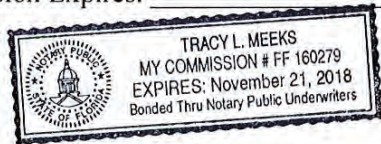
Richard Wohlfarth  
(signature) Richard C. Wohlfarth, PE  
April 6, 2017  
(date)

Sworn and subscribed before me this

10th Day of April, 2017

Tracy L. Meeks  
NOTARY PUBLIC, State of Florida at Large

My Commission Expires: \_\_\_\_\_



Sub-consultants Forms  
 Nutting Engineers of Florida, Inc.

**City Ordinance Sec. 2-773. - Cone of silence.**

- (a) *Definitions.* For purposes of this section, reference to one gender shall include the other, use of the plural shall include the singular, and use of the singular shall include the plural. The following definitions apply unless the context in which the word or phrase is used requires a different definition:
- (1) *Competitive solicitation* means a formal process by the City of Key West relating to the acquisition of goods or services, which process is intended to provide an equal and open opportunity to qualified persons and entities to be selected to provide the goods or services. Competitive solicitation shall include request for proposals ("RFP"), request for qualifications ("RFQ"), request for letters of interest ("RFLI"), invitation to bid ("ITB") or any other advertised solicitation.
  - (2) *Cone of silence* means a period of time during which there is a prohibition on communication regarding a particular competitive solicitation.
  - (3) *Evaluation or selection committee* means a group of persons appointed or designated by the city to evaluate, rank, select, or make a recommendation regarding a vendor or the vendor's response to the competitive solicitation. A member of such a committee shall be deemed a city official for the purposes of subsection (c) below.
  - (4) *Vendor* means a person or entity that has entered into or that desires to enter into a contract with the City of Key West or that seeks an award from the city to provide goods, perform a service, render an opinion or advice, or make a recommendation related to a competitive solicitation for compensation or other consideration.
  - (5) *Vendor's representative* means an owner, individual, employee, partner, officer, or member of the board of directors of a vendor, or a consultant, lobbyist, or actual or potential subcontractor or sub-consultant who acts at the behest of a vendor in communicating regarding a competitive solicitation.
- (b) *Prohibited communications.* A cone of silence shall be in effect during the course of a competitive solicitation and prohibit:
- (1) Any communication regarding a particular competitive solicitation between a potential vendor or vendor's representative and the city's administrative staff including, but not limited to, the city manager and his or her staff;
  - (2) Any communication regarding a particular competitive solicitation between a potential vendor or vendor's representative and the mayor, city commissioners, or their respective staff;
  - (3) Any communication regarding a particular competitive solicitation between a potential vendor or vendor's representative and any member of a city evaluation and/or selection committee therefore; and
  - (4) Any communication regarding a particular competitive solicitation between the mayor, city commissioners, or their respective staff, and a member of a city evaluation and/or selection committee therefore.
- (c) *Permitted communications.* Notwithstanding the foregoing, nothing contained herein shall prohibit:
- (1) Communication between members of the public who are not vendors or a vendor's representative and any city employee, official or member of the city commission;
  - (2) Communications in writing at any time with any city employee, official or member of the city commission, unless specifically prohibited by the applicable competitive solicitation.
    - (A) However, any written communication must be filed with the city clerk. Any city employee, official or member of the city commission receiving or making any written communication must immediately file it with the city clerk.
    - (B) The city clerk shall include all written communication as part of the agenda item when publishing information related to a particular competitive solicitation;



## Sub-consultants Forms

### Nutting Engineers of Florida, Inc.

- (3) Oral communications at duly noticed pre-bid conferences;
  - (4) Oral presentations before publically noticed evaluation and/or selection committees;
  - (5) Contract discussions during any duly noticed public meeting;
  - (6) Public presentations made to the city commission or advisory body thereof during any duly noticed public meeting;
  - (7) Contract negotiations with city staff following the award of a competitive solicitation by the city commission; or
  - (8) Purchases exempt from the competitive process pursuant to section 2-797 of these Code of Ordinances;
- (d) *Procedure.*
- (1) The cone of silence shall be imposed upon each competitive solicitation at the time of public notice of such solicitation as provided by section 2-826 of this Code. Public notice of the cone of silence shall be included in the notice of the competitive solicitation. The city manager shall issue a written notice of the release of each competitive solicitation to the affected departments, with a copy thereof to each commission member, and shall include in any public solicitation for goods and services a statement disclosing the requirements of this ordinance.
  - (2) The cone of silence shall terminate at the time the city commission or other authorized body makes final award or gives final approval of a contract, rejects all bids or responses to the competitive solicitation, or takes other action which ends the competitive solicitation.
  - (3) Any city employee, official or member of the city commission that is approached concerning a competitive solicitation while the cone of silence is in effect shall notify such individual of the prohibitions contained in this section. While the cone of silence is in effect, any city employee, official or member of the city commission who is the recipient of any oral communication by a potential vendor or vendor's representative in violation of this section shall create a written record of the event. The record shall indicate the date of such communication, the persons with whom such communication occurred, and a general summation of the communication.
- (e) *Violations/penalties and procedures.*
- (1) A sworn complaint alleging a violation of this ordinance may be filed with the city attorney's office. In each such instance, an initial investigation shall be performed to determine the existence of a violation. If a violation is found to exist, the penalties and process shall be as provided in section 1-15 of this Code.
  - (2) In addition to the penalties described herein and otherwise provided by law, a violation of this ordinance shall render the competitive solicitation void at the discretion of the city commission.
  - (3) Any person who violates a provision of this section shall be prohibited from serving on a City of Key West advisory board, evaluation and/or selection committee.
  - (4) In addition to any other penalty provided by law, violation of any provision of this ordinance by a City of Key West employee shall subject said employee to disciplinary action up to and including dismissal.
  - (5) If a vendor is determined to have violated the provisions of this section on two more occasions it shall constitute evidence under City Code section 2-834 that the vendor is not properly qualified to carry out the obligations or to complete the work contemplated by any new competitive solicitation. The city's purchasing agent shall also commence any available debarment from city work proceeding that may be available upon a finding of two or more violations by a vendor of this section.

(Ord. No. 13-11, § 1.6-[8-2013])





Sub-consultants Forms  
Terramar Environmental Services, Inc.

**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#17-002 for
  
2. This sworn statement is submitted by Terramar Environmental Services, Inc.  
(Name of entity submitting sworn statement)  
  
whose business address is 1241 Crane Boulevard  
Summerland Key Florida 33042 and (if applicable) its Federal  
Employer Identification Number (FEIN) is 20-1899329 (If the entity has no FEIN,  
include the Social Security Number of the individual signing this sworn statement.)
  
3. My name is Rowena P. Garcia 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 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 t 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

Sub-consultants Forms  
Terramar Environmental Services, Inc.

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) *Asparcia*  
(Date) *4/18/2017*

STATE OF Florida

COUNTY OF Monroe

PERSONALLY APPEARED BEFORE ME, the undersigned authority,

*Rowena P. Garcia* who, after first being sworn by me, affixed his/her signature in the  
(Name of individual signing)

space provided above on this 18th day of April, 2017

My commission expires:  
NOTARY PUBLIC *[Signature]*





Sub-consultants Forms  
Terramar Environmental Services, Inc.

**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: Terramar Environmental Services SEAL:

1241 Crane Blvd. Sugarloaf Key  
Address

Rp Garcia  
Signature

Rowena P. Garcia  
Print Name

President  
Title

April 18, 2017  
Date

Sub-consultants Forms  
Terramar Environmental Services, Inc.

**EQUAL BENEFITS FOR DOMESTIC PARTNERS AFFIDAVIT**

STATE OF Florida )  
: SS  
COUNTY OF Monroe )

I, the undersigned hereby duly sworn, depose and say that the firm of Terramar Environmental 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: Rp Garcia Rowena P. Garcia

Sworn and subscribed before me this

18 day of April, 2017.

[Signature]  
NOTARY PUBLIC, State of Florida at Large

My Commission Expires:



Sub-consultants Forms  
 Terramar Environmental Services, Inc.

**City Ordinance Sec. 2-799**  
**Requirements for City Contractors to Provide Equal Benefits for Domestic Partners**

(a) Definitions. For purposes of this section only, the following definitions shall apply:

- (1) **Benefits** means the following plan, program or policy provided or offered by a contractor to its employees as part of the employer's total compensation package: sick leave, bereavement leave, family medical leave, and health benefits.
- (2) **Bid** shall mean a competitive bid procedure established by the city through the issuance of an invitation to bid, request for proposals, request for qualifications, or request for letters of interest.
- (3) **Cash equivalent** means the amount of money paid to an employee with a domestic partner in lieu of providing benefits to the employee's domestic partner. The cash equivalent is equal to the employer's direct expense of providing benefits to an employee for his or her spouse.

The cash equivalents of the following benefits apply:

- a. For bereavement leave, cash payment for the number of days that would be allowed as paid time off for the death of a spouse. Cash payment would be in the form of the wages of the domestic partner employee for the number of days allowed.
  - b. For health benefits, the cost to the contractor of the contractor's share of the single monthly premiums that are being paid for the domestic partner employee, to be paid on a regular basis while the domestic partner employee maintains such insurance in force for himself or herself.
  - c. For family medical leave, cash payment for the number of days that would be allowed as time off for an employee to care for a spouse who has a serious health condition. Cash payment would be in the form of the wages of the domestic partner employee for the number of days allowed.
- (4) **Contract** means any written agreement, purchase order, standing order or similar instrument entered into pursuant to the award of a bid whereby the city is committed to expend or does expend funds in return for work, labor, professional services, consulting services, supplies, equipment, materials, construction, construction related services or any combination of the foregoing.
  - (5) **Contractor** means any person or persons, sole proprietorship, partnership, joint venture, corporation, or other form of doing business, that is awarded a bid and enters into a covered contract with the city, and which maintains five (5) or more full-time employees.
  - (6) **Covered contract** means a contract between the city and a contractor awarded subsequent to the date when this section becomes effective valued at over twenty thousand dollars (\$20,000).



Sub-consultants Forms  
Terramar Environmental Services, Inc.

- (7) **Domestic partner** shall mean any two adults of the same or different sex, who have registered as domestic partners with a governmental body pursuant to state or local law authorizing such registration, or with an internal registry maintained by the employer of at least one of the domestic partners. A contractor may institute an internal registry to allow for the provision of equal benefits to employees with domestic partner who do not register their partnerships pursuant to a governmental body authorizing such registration, or who are located in a jurisdiction where no such governmental domestic partnership registry exists. A contractor that institutes such registry shall not impose criteria for registration that are more stringent than those required for domestic partnership registration by the City of Key West pursuant to Chapter 38, Article V of the Key West Code of Ordinances.
- (8) **Equal benefits** mean the equality of benefits between employees with spouses and employees with domestic partners, and/or between spouses of employees and domestic partners of employees.
- (b) Equal benefits requirements.
- (1) Except where otherwise exempt or prohibited by law, a Contractor awarded a covered contract pursuant to a bid process shall provide benefits to domestic partners of its employees on the same basis as it provides benefits to employees' spouses.
- (2) All bid requests for covered contracts which are issued on or after the effective date of this section shall include the requirement to provide equal benefits in the procurement specifications in accordance with this section.
- (3) The city shall not enter into any covered contract unless the contractor certifies that such contractor does not discriminate in the provision of benefits between employees with domestic partners and employees with spouses and/or between the domestic partners and spouses of such employees.
- (4) Such certification shall be in writing and shall be signed by an authorized officer of the contractor and delivered, along with a description of the contractor's employee benefits plan, to the city's procurement director prior to entering into such covered contract.
- (5) The city manager or his/her designee shall reject a contractor's certification of compliance if he/she determines that such contractor discriminates in the provision of benefits or if the city manager or designee determines that the certification was created, or is being used for the purpose of evading the requirements of this section.
- (6) The contractor shall provide the city manager or his/her designee, access to its records for the purpose of audits and/or investigations to ascertain compliance with the provisions of this section, and upon request shall provide evidence that the contractor is in compliance with the provisions of this section upon each new bid, contract renewal, or when the city manager has received a complaint or has reason to believe the contractor may not be in compliance with the provisions of this section. This shall include but not be limited to providing the city manager or

Sub-consultants Forms  
 Terramar Environmental Services, Inc.

- his/her designee with certified copies of all of the contractor's records pertaining to its benefits policies and its employment policies and practices.
- (7) The contractor may not set up or use its contracting entity for the purpose of evading the requirements imposed by this section.
- (c) Mandatory contract provisions pertaining to equal benefits. Unless otherwise exempt, every covered contract shall contain language that obligates the contractor to comply with the applicable provisions of this section. The language shall include provisions for the following:
- (1) During the performance of the covered contract, the contractor certifies and represents that it will comply with this section.
  - (2) The failure of the contractor to comply with this section will be deemed to be a material breach of the covered contract.
  - (3) If the contractor fails to comply with this section, the city may terminate the covered contract and all monies due or to become due under the covered contract may be retained by the city. The city may also pursue any and all other remedies at law or in equity for any breach.
  - (4) If the city manager or his designee determines that a contractor has set up or used its contracting entity for the purpose of evading the requirements of this section, the city may terminate the covered contract.
- (d) Enforcement. If the contractor fails to comply with the provisions of this section:
- (1) The failure to comply may be deemed to be a material breach of the covered contract; or
  - (2) The city may terminate the covered contract; or
  - (3) Monies due or to become due under the covered contract may be retained by the city until compliance is achieved; or
  - (4) The city may also pursue any and all other remedies at law or in equity for any breach;
  - (5) Failure to comply with this section may also subject contractor to the procedures set forth in Division 5 of this article, entitled "Debarment of contractors from city work."
- (e) Exceptions and waivers.

The provisions of this section shall not apply where:

- (1) The contractor does not provide benefits to employees' spouses.
- (2) The contractor is a religious organization, association, society or any non-profit charitable or educational institution or organization operated, supervised or controlled by or in conjunction with a religious organization, association or society.
- (3) The contractor is a governmental entity.

## Sub-consultants Forms

### Terramar Environmental Services, Inc.

- (4) The sale or lease of city property.
- (5) The provision of this section would violate grant requirement, the laws, rules or regulations of federal or state law (for example, The acquisition services procured pursuant to Chapter 287.055, Florida Statutes known as the "Consultants' Competitive Negotiation Act").
- (6) Provided that the contractor does not discriminate in the provision of benefits, a contractor may also comply with this section by providing an employee with the cash equivalent of such benefits, if the city manager or his/her designee determines that either:
  - a. The contractor has made a reasonable yet unsuccessful effort to provide equal benefits. The contractor shall provide the city manager or his/her designee with sufficient proof of such inability to provide such benefit or benefits which shall include the measures taken to provide such benefits or benefits and the cash equivalent proposed, along with its certificate of compliance, as is required under this section.
- (7) The city commission waives compliance of this section in the best interest of the city, including but not limited to the following circumstances:
  - a. The covered contract is necessary to respond to an emergency. b. Where only one bid response is received.
  - c. Where more than one bid response is received, but the bids demonstrate that none of the bidders can comply with the requirements of this section.
- (f) City's authority to cancel contract. Nothing in this section shall be construed to limit the city's authority to cancel or terminate a contract, deny or withdraw approval to perform a subcontract or provide supplies, issue a non-responsibility finding, issue a non-responsiveness finding, deny a person or entity prequalification, or otherwise deny a person or entity city business.
- (g) Timing of application. This section shall be applicable only to covered contracts awarded pursuant to bids which are after the date when this section becomes effective.



# Licenses and Certifications / Addenda

City of Key West  
General Engineering Services

RFQ # 17-002



# Licenses and Certificates

Stantec Consulting Service Inc.

## State of Florida Department of State

I certify from the records of this office that STANTEC CONSULTING SERVICES INC. is a New York corporation authorized to transact business in the State of Florida, qualified on November 14, 2001.

The document number of this corporation is F01000005948.

I further certify that said corporation has paid all fees due this office through December 31, 2016, that its most recent annual report/uniform business report was filed on April 21, 2016, 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 Fifteenth day of June, 2016*



*Ken Detzner*  
Secretary of State

Tracking Number: CU8094447536  
To authenticate this certificate, visit the  
following instructions displayed.  
<https://services.sunbiz.org/Filings/Cer>

Stantec Consulting Services Inc. is in good standing with the State of Florida Department of State - awaiting updated certificates.

State of Florida  
Board of Professional Engineers  
Attests that  
Stantec Consulting Services 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  
Audit No: 228201905020 R



CA Lic. No: 27013

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

LICENSE NUMBER  
LC26000488



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

STANTEC CONSULTING SERVICES INC  
3200 BAILEY LANE  
SUITE 200  
NAPLES FL 34105



Stantec Consulting Service Inc.

**State of Florida**  
**Board of Professional Engineers**  
 Attests that  
**Sean P. Compel , P.E.**

**Is licensed as a Professional Engineer under Chapter 471, Florida Statutes**  
 Expiration: 2/28/2019  
 Audit No: 228201905474 R

**P.E. Lic. No:**  
**66618**

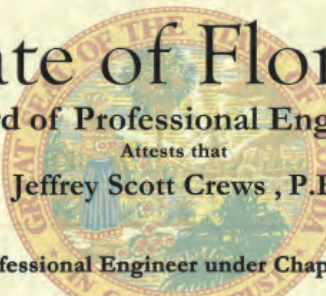

**State of Florida**  
**Board of Professional Engineers**  
 Attests that  
**Ramon Castella , P.E.**




**Is licensed as a Professional Engineer under Chapter 471, Florida Statutes**  
 Expiration: 2/28/2019  
 Audit No: 228201900368 R

**P.E. Lic. No:**  
**40073**



**State of Florida**  
**Board of Professional Engineers**  
 Attests that  
**Jeffrey Scott Crews , P.E.**

**Is licensed as a Professional Engineer under Chapter 471, Florida Statutes**  
 Expiration: 2/28/2019  
 Audit No: 228201911113 R

**P.E. Lic. No:**  
**46575**

**State of Florida**  
**Board of Professional Engineers**  
 Attests that  
**Terrance Neal Glunt , P.E.**






**Is licensed as a Professional Engineer under Chapter 471, Florida Statutes**  
 Expiration: 2/28/2019  
 Audit No: 228201927635 SI

**P.E. / SI Lic. No:**  
**40130 950**

**SPECIAL INSPECTOR**

**State of Florida**  
**Board of Professional Engineers**  
 Attests that  
**Carlos Manuel Herdocia , P.E.**

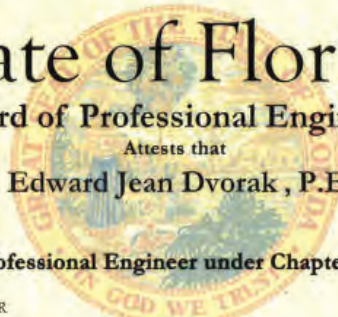

**Is licensed as a Professional Engineer under Chapter 471, Florida Statutes**  
 Expiration: 2/28/2019  
 Audit No: 228201907777 R

**P.E. Lic. No:**  
**47660**



Stantec Consulting Service Inc.



**State of Florida**  
**Board of Professional Engineers**  
 Attests that  
**Edward Jean Dvorak , P.E.**

**Is licensed as a Professional Engineer under Chapter 471, Florida Statutes**  
**Expiration:** 2/28/2019  
**Audit No:** 228201900381 R

**P.E. Lic. No:**  
**40961**

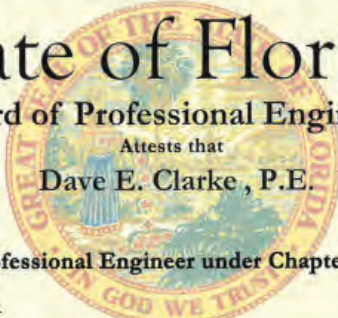

**State of Florida**  
**Board of Professional Engineers**  
 Attests that  
**Ramon Castella , P.E.**

**Is licensed as a Professional Engineer under Chapter 471, Florida Statutes**  
**Expiration:** 2/28/2019  
**Audit No:** 228201900368 R

**P.E. Lic. No:**  
**40073**

**State of Florida**  
**Board of Professional Engineers**  
 Attests that  
**Dave E. Clarke , P.E.**

**Is licensed as a Professional Engineer under Chapter 471, Florida Statutes**  
**Expiration:** 2/28/2019  
**Audit No:** 228201906883 R



**P.E. Lic. No:**  
**66553**

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

<b>LICENSE NUMBER</b>	
LA0001756	

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

BUTTARI, SCOTTA  
 1807 145TH ST E  
 BRADENTON FL 34212






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

<b>LICENSE NUMBER</b>	
LA6667098	

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

MARKLE, ADAM SCOTT  
 6900 PROFESSIONAL PKWY E  
 SARASOTA FL 34240

Stantec Consulting Service Inc.



Stantec Consulting Service Inc.



## Florida Department of Transportation

**RICK SCOTT**  
GOVERNOR

605 Suwannee Street  
Tallahassee, FL 32399-0450

**JIM BOXOLD**  
SECRETARY

July 14, 2016

Roberto Carballo, Vice President  
STANTEC CONSULTING SERVICES, INC.  
901 Ponce de Leon Boulevard, Suite 900  
Coral Gables, Florida 33134

Dear Mr. Carballo:

The Florida Department of Transportation has reviewed your application for qualification package and determined that the data submitted is adequate to technically qualify your firm for the following types of work:

- Group 2 - Project Development and Environmental (PD&E) Studies
- Group 3 - Highway Design - Roadway
  - 3.1 - Minor Highway Design
  - 3.2 - Major Highway Design
  - 3.3 - Controlled Access Highway Design
- Group 4 - Highway Design - Bridges
  - 4.1.1 - Miscellaneous Structures
  - 4.1.2 - Minor Bridge Design
  - 4.2.1 - Major Bridge Design - Concrete
  - 4.2.2 - Major Bridge Design - Steel
  - 4.2.3 - Major Bridge Design - Segmental
- Group 5 - Bridge Inspection
  - 5.1 - Conventional Bridge Inspection
  - 5.3 - Complex Bridge Inspection
  - 5.4 - Bridge Load Rating
- Group 6 - Traffic Engineering and Operations Studies
  - 6.1 - Traffic Engineering Studies
  - 6.2 - Traffic Signal Timing
  - 6.3.1 - Intelligent Transportation Systems Analysis and Design
  - 6.3.2 - Intelligent Transportation Systems Implementation
  - 6.3.3 - Intelligent Transportation Traffic Engineering Systems Communications
- Group 7 - Traffic Operations Design
  - 7.1 - Signing, Pavement Marking and Channelization
  - 7.2 - Lighting
  - 7.3 - Signalization

[www.dot.state.fl.us](http://www.dot.state.fl.us)



**Stantec Consulting Service Inc.**

- 8.1 - Control Surveying
- 8.2 - Design, Right of Way & Construction Surveying
- 8.4 - Right of Way Mapping
- Group 9 - Soil Exploration, Material Testing and Foundations
  - 9.1 - Soil Exploration
  - 9.4.1 - Standard Foundation Studies
- Group 10 - Construction Engineering Inspection
  - 10.1 - Roadway Construction Engineering Inspection
  - 10.3 - Construction Materials Inspection
  - 10.4 - Minor Bridge & Miscellaneous Structures CEI
- Group 11 - Engineering Contract Administration and Management
- Group 13 - Planning
  - 13.3 - Policy Planning
  - 13.4 - Systems Planning
  - 13.5 - Subarea/Corridor Planning
  - 13.6 - Land Planning/Engineering
  - 13.7 - Transportation Statistics
- Group 14 - Architect
- Group 15 - Landscape Architect

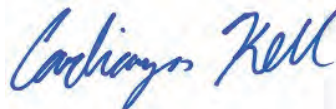
Your overhead audit has been accepted, enabling your firm to compete for Professional Services projects advertised at the unlimited level, with estimated fees of any dollar amount. This status shall be valid until June 30, 2017 for contracting purposes.

	<u>Home/Branch Office</u>	<u>Field Office</u>	<u>Facilities Capital Cost of Money</u>	<u>Overtime Premium</u>	<u>Direct Expense</u>
Indirect Cost	165.03%	122.53%	0.342%	Excluded	18.25% (Home) 7.92% (Field)*

\*Rent and utilities excluded from field office rate. These costs will be directly reimbursed on contracts that require the consultant to provide field office.

Should you have any questions, please feel free to contact me by email at carliayn.kell@dot.state.fl.us or by phone at 850-414-4597.


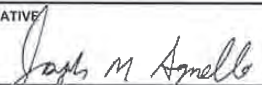
Sincerely,



Carliayn Kell  
Professional Services  
Qualification Administrator

[www.dot.state.fl.us](http://www.dot.state.fl.us)

Stantec Consulting Service Inc.

	<b>CERTIFICATE OF LIABILITY INSURANCE</b>	DATE (MM/DD/YYYY) 5/1/2017      8/2/2016														
<p><b>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.</b></p>																
<p><b>IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or 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></p>																
PRODUCER Lockton Companies 444 W. 47th Street, Suite 900 Kansas City MO 64112-1906 (816) 960-9000	CONTACT NAME: PHONE (A/C, No, Ext): E-MAIL ADDRESS: FAX (A/C, No):															
INSURED 1415077 STANTEC CONSULTING SERVICES INC. 8211 SOUTH 48TH STREET PHOENIX AZ 85044	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">INSURER(S) AFFORDING COVERAGE</th> <th style="text-align: center;">NAIC #</th> </tr> </thead> <tbody> <tr> <td>INSURER A : Zurich American Insurance Company</td> <td style="text-align: center;">16535</td> </tr> <tr> <td>INSURER B : Sentry Insurance a Mutual Company</td> <td style="text-align: center;">24988</td> </tr> <tr> <td>INSURER C : American Guarantee and Liab. Ins. Co.</td> <td style="text-align: center;">26247</td> </tr> <tr> <td>INSURER D :</td> <td></td> </tr> <tr> <td>INSURER E :</td> <td></td> </tr> <tr> <td>INSURER F :</td> <td></td> </tr> </tbody> </table>		INSURER(S) AFFORDING COVERAGE	NAIC #	INSURER A : Zurich American Insurance Company	16535	INSURER B : Sentry Insurance a Mutual Company	24988	INSURER C : American Guarantee and Liab. Ins. Co.	26247	INSURER D :		INSURER E :		INSURER F :	
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INSURER E :																
INSURER F :																
<p><b>COVERAGES      CERTIFICATE NUMBER: 14193567      REVISION NUMBER: XXXXXXXX</b></p>																
<p>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.</p>																
INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSD 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 <input checked="" type="checkbox"/> CONTRACTUAL/CROSS <input type="checkbox"/> XCU COVERED GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input checked="" type="checkbox"/> LOC OTHER:	N N	GLO5415704	5/1/2016	5/1/2017	EACH OCCURRENCE \$ 2,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 2,000,000 GENERAL AGGREGATE \$ 4,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 \$										
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C	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$ 10,000	N N	AUC918463701	5/1/2016	5/1/2017	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000 \$ XXXXXXXX										
B B B	<input checked="" type="checkbox"/> WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N N/A	90-17043-06 (AOS) 90-17043-07 (HI) EXCEPT FOR OH ND WA WY	5/1/2016 5/1/2016	5/1/2017 5/1/2017	<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)																
<b>CERTIFICATE HOLDER</b> 14193567 TO WHOM IT MAY CONCERN				<b>CANCELLATION</b> 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 												
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ACORD 25 (2016/03)		The ACORD name and logo are registered marks of ACORD														

<b>CERTIFICATE OF LIABILITY INSURANCE</b>		DATE (MM/DD/YYYY) 10/1/2017 8/19/2016																				
<p><b>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.</b></p>																						
<p><b>IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or 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></p>																						
<p><b>PRODUCER</b> Lockton Companies 444 W. 47th Street, Suite 900 Kansas City MO 64112-1906 (816) 960-9000</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="2"><b>CONTACT NAME:</b></td> </tr> <tr> <td><b>PHONE (A/C, No, Ext):</b></td> <td><b>FAX (A/C, No):</b></td> </tr> <tr> <td colspan="2"><b>E-MAIL ADDRESS:</b></td> </tr> <tr> <td colspan="2" style="text-align: center;"><b>INSURER(S) AFFORDING COVERAGE</b></td> </tr> <tr> <td><b>INSURER A:</b> Lloyds of London</td> <td style="text-align: right;"><b>NAIC #</b></td> </tr> <tr> <td><b>INSURER B:</b> AIG Specialty Insurance Company</td> <td style="text-align: right;">26883</td> </tr> <tr> <td><b>INSURER C:</b></td> <td></td> </tr> <tr> <td><b>INSURER D:</b></td> <td></td> </tr> <tr> <td><b>INSURER E:</b></td> <td></td> </tr> <tr> <td><b>INSURER F:</b></td> <td></td> </tr> </table>		<b>CONTACT NAME:</b>		<b>PHONE (A/C, No, Ext):</b>	<b>FAX (A/C, No):</b>	<b>E-MAIL ADDRESS:</b>		<b>INSURER(S) AFFORDING COVERAGE</b>		<b>INSURER A:</b> Lloyds of London	<b>NAIC #</b>	<b>INSURER B:</b> AIG Specialty Insurance Company	26883	<b>INSURER C:</b>		<b>INSURER D:</b>		<b>INSURER E:</b>		<b>INSURER F:</b>	
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<b>INSURER F:</b>																						
<p><b>INSURED</b> STANTEC CONSULTING SERVICES INC. 1414100 8211 SOUTH 48TH STREET PHOENIX AZ 85044</p>																						
<p><b>COVERAGES</b> <span style="float: right;"><b>CERTIFICATE NUMBER: 14182571</b></span> <span style="float: right;"><b>REVISION NUMBER: XXXXXXXX</b></span></p> <p>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.</p>																						
INSR LTR	<p><b>TYPE OF INSURANCE</b></p> <p><input type="checkbox"/> COMMERCIAL GENERAL LIABILITY</p> <p><input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR</p> <p>GEN'L AGGREGATE LIMIT APPLIES PER:</p> <p><input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC</p> <p>OTHER:</p>	ADDL INSR	SUBR WVD	<p><b>POLICY NUMBER</b></p> <p>NOT APPLICABLE</p>	<p><b>POLICY EFF (MM/DD/YYYY)</b></p>	<p><b>POLICY EXP (MM/DD/YYYY)</b></p>	<p><b>LIMITS</b></p> <p>EACH OCCURRENCE \$ XXXXXXXX</p> <p>DAMAGE TO RENTED PREMISES (Ea occurrence) \$ XXXXXXXX</p> <p>MED EXP (Any one person) \$ XXXXXXXX</p> <p>PERSONAL &amp; ADV INJURY \$ XXXXXXXX</p> <p>GENERAL AGGREGATE \$ XXXXXXXX</p> <p>PRODUCTS - COMPI/OP AGG \$ XXXXXXXX</p> <p>\$</p>															
	<p><b>AUTOMOBILE LIABILITY</b></p> <p><input type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY</p>			NOT APPLICABLE			<p>COMBINED SINGLE LIMIT (Ea accident) \$ XXXXXXXX</p> <p>BODILY INJURY (Per person) \$ XXXXXXXX</p> <p>BODILY INJURY (Per accident) \$ XXXXXXXX</p> <p>PROPERTY DAMAGE (Per accident) \$ XXXXXXXX</p> <p>\$</p>															
	<p><b>UMBRELLA LIAB</b> <input type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE</p> <p>DED:      RETENTION \$</p>			NOT APPLICABLE			<p>EACH OCCURRENCE \$ XXXXXXXX</p> <p>AGGREGATE \$ XXXXXXXX</p> <p>\$</p>															
	<p><b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b></p> <p>ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) <input type="checkbox"/> Y / <input checked="" type="checkbox"/> N</p> <p>If yes, describe under DESCRIPTION OF OPERATIONS below</p>			NOT APPLICABLE			<p>PER STATUTE      OTHER</p> <p>E.L. EACH ACCIDENT \$ XXXXXXXX</p> <p>E.L. DISEASE - EA EMPLOYEE \$ XXXXXXXX</p> <p>E.L. DISEASE - POLICY LIMIT \$ XXXXXXXX</p>															
A	Professional Liab	N	N	GLOPR1601673 NO RETROACTIVE DATE	10/1/2016	10/1/2017	\$3,000,000 PER CLAIM/AGG INCLUSIVE OF COSTS															
B	Contractors Pollution Liab			CPO8085428	10/1/2016	10/1/2017	\$3,000,000 PER LOSS/AGG															
<p><b>DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)</b></p> <p>CONSULTING</p>																						
<b>CERTIFICATE HOLDER</b>				<b>CANCELLATION</b>																		
<p>14182571</p> <p>TO WHOM IT MAY CONCERN</p>				<p>SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.</p> <p>AUTHORIZED REPRESENTATIVE</p> <p style="text-align: center;"><i>[Signature]</i></p>																		
ACORD 25 (2016/03)				©1988-2015 ACORD CORPORATION. All rights reserved																		
The ACORD name and logo are registered marks of ACORD																						



# Florida Keys Land Surveying, LLC

**2017 FLORIDA LIMITED LIABILITY COMPANY ANNUAL REPORT**

DOCUMENT# L13000094771

**Entity Name:** FLORIDA KEYS LAND SURVEYING, LLC

**Current Principal Place of Business:**  
19960 OVERSEAS HIGHWAY  
SUGARLOAF KEY, FL 33042

**Current Mailing Address:**  
PO BOX 1547  
KEY WEST, FL 33041

**FEI Number:** 46-3045721

**Name and Address of Current Registered Agent:**  
ISAACS, ERIC  
24760 PARK DRIVE  
SUMMERLAND KEY, FL 33042 US

**Certificate of Status Desired:** No

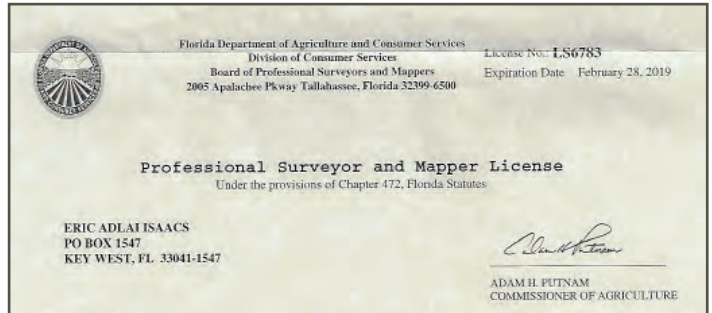
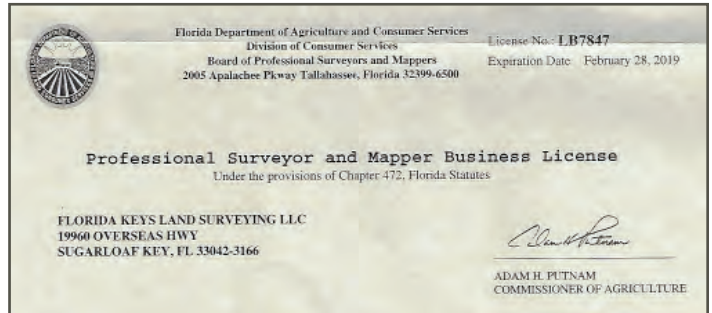
*The above named entity submits this statement for the purpose of changing its registered office or registered agent, or both, in the State of Florida.*

**SIGNATURE:**  
Electronic Signature of Registered Agent

**Authorized Person(s) Detail:**

Title	Name	Address	City-State-Zip
MGRM	ISAACS, ERIC	504 CATERINE ST	KEY WEST FL 33040

**FILED**  
**Apr 06, 2017**  
**Secretary of State**  
**CC9334183715**



7/2017 Detail by Entity Name

### Detail by Entity Name

Florida Limited Liability Company  
FLORIDA KEYS LAND SURVEYING, LLC

**Filing Information**

**Document Number** L13000094771  
**FEI/EIN Number** 46-3045721  
**Date Filed** 07/01/2013  
**State** FL  
**Status** ACTIVE

**Principal Address**  
19960 OVERSEAS HIGHWAY  
SUGARLOAF KEY, FL 33042

**Mailing Address**  
PO BOX 1547  
KEY WEST, FL 33041

**Registered Agent Name & Address**  
ISAACS, ERIC  
24760 Park Drive  
Summerland Key, FL 33042

Address Changed: 02/26/2015

**Authorized Person(s) Detail**

**Name & Address**

Title MGRM

ISAACS, ERIC  
504 CATERINE ST  
KEY WEST, FL 33040

**Annual Reports**

Report Year	Filed Date
2015	02/26/2015
2016	01/27/2016
2017	04/06/2017

**Document Images**

<a href="#">04/06/2017 - ANNUAL REPORT</a>	<a href="#">View image in PDF format</a>
<a href="#">01/27/2016 - ANNUAL REPORT</a>	<a href="#">View image in PDF format</a>
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<a href="#">03/25/2014 - ANNUAL REPORT</a>	<a href="#">View image in PDF format</a>
<a href="#">07/01/2013 - Florida Limited Liability</a>	<a href="#">View image in PDF format</a>

Florida Department of State, Division of Corporations  
<http://search.sunbiz.org/Inquiry/CorporationSearch/SearchResultDetail?inquiryType=EntityName&directionType=Initial&searchNameOrder=FLORIDAKEYS...> 2/3

**Nutting Engineers of Florida, Inc.**

**State of Florida  
Department of State**

I certify from the records of this office that NUTTING ENGINEERS OF FLORIDA INC is a corporation organized under the laws of the State of Florida, filed on February 16, 1967.

The document number of this corporation is 313874.

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 6, 2017, and that its status is active.

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

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



*Ken Detzner*  
**Secretary of State**

Tracking Number: CC0191890829

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

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

**State of Florida  
Board of Professional Engineers**

Attests that  
**Nutting Engineers Of Fla., 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  
Audit No: 228201904567 R



**State of Florida  
Board of Professional Engineers**

Attests that  
**Richard Chase Wohlfarth, P.E.**

Is licensed as a Professional Engineer under Chapter 471, Florida Statutes

Expiration: 2/28/2019  
Audit No: 228201928714 R



STATE OF FLORIDA  
WATER WELL CONTRACTOR LICENSE  
Issued to  
**Scott Ersland**

License No. **11110** Expires **7/31/2017**

*Scott Ersland*  
DISTRICT CERTIFICATION OFFICER

Addendum #1



THE CITY OF KEY WEST

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

ADDENDUM NO. 1

GENERAL ENGINEERING SERVICES / RFQ # 17-002

March 20, 2017

This addendum is issued as supplemental information to the RFQ 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 49 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 9 of 49 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.

Stantec Consulting Services Inc.

Signature

Name of Business



## Addendum #2



THE CITY OF KEY WEST

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

## ADDENDUM NO. 2

**GENERAL ENGINEERING SERVICES / RFQ # 17-002**

**April 12, 2017**

This addendum is issued as supplemental information to the RFQ 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:

- 1.) I was curious if for this contract, and MEP firm can apply as Prime for our area of discipline? Or would we need to team with other engineers – i.e. civil, structural, etc.

**An MEP can be prime; however, this RFQ is for general engineering services spanning the disciplines identified in the RFQ and teaming would be required. Discipline specific contracts will not be awarded**

- 2.) No 'Scope of Work' (listed on Page 7) has been provided for "Structural Engineering" services, mentioned on Page 4. Please clarify.

**Consultant team shall include licensed structural professional engineer/structural engineering firm to support evaluation and design of buildings (renovation and new), foundations, roof systems, coastal engineering, etc.**

- 3.) ***ADD THE FOLLOWING TO ARTICLE 4 / PART 3 / DRAFT AGREEMENT***

### **ARTICLE 4**

#### **TERM OF AGREEMENT; TIME FOR PERFORMANCE; CONTRACTOR DAMAGES;**

- 4.6 The CONSULTANT shall provide design assistance to City staff and attend City Commission Meeting(s) should an omission, lack of detail or design considerations result in a Change Order issued by the Contractor against the City utilizing plans prepared and sealed by CONSULTANT. This assistance will be provided at no charge to the City to allow CONSULTANT the opportunity to address the issue leading to the Change Order to the satisfaction of the City Commission.

## Addendum #2

- 4.) Consultant team shall include licensed Landscape Architect/Landscape Architectural firm to support landscape and irrigation system design requirements. Experience with local landscaping conditions and plant materials preferred.

All Bidders shall acknowledge receipt and acceptance of this Addendum No. 2 by submitting the addendum with their proposal. Proposals submitted without acknowledgement or without this Addendum may be considered non-responsive.



Signature

Stantec Consulting Services Inc.

Name of Business

