

CUMMINS | CEDERBERG
Coastal & Marine Engineering

Marine/Coastal Engineering Consulting Services for the Riviera Beach Marina

City of Riviera Beach

Palm Beach County, Florida

March 24, 2021

Prepared for:

Office of the City Clerk

600 West Blue Heron Blvd.

Suite 140

Riviera Beach, FL 33404



Prepared by:
Cummins Cederberg, Inc.
140 Intracoastal Point
Suite 208
Jupiter, FL 33477
T: +1 561 210 9330

 www.CumminsCederberg.com

March 24, 2021

Attn: Office of the City Clerk
600 West Blue Heron Blvd., Suite 140
Riviera Beach, FL 33404

RE: Marine/Coastal Engineering Consulting Services for The Riviera Beach Marina
RFQ 1023-21-2

Dear City Council Members,

Cummins Cederberg, Inc. (Cummins Cederberg) is pleased to submit this RFQ response to provide *Marine/Coastal Engineering Consulting Services for The Riviera Beach Marina* to the City of Riviera Beach (City) for your review and consideration. We appreciate this opportunity to present our firm's qualifications and offer a wealth of directly relevant experience with marinas and municipalities. Our firm is motivated to develop a long-term relationship with the City as a trusted consultant to provide marine and coastal engineering services.

Cummins Cederberg provides our clients with technical services in coastal and marine engineering and environmental consulting. We have been providing these services over the last 11 years to public-sector clients, which include local, state, and federal agencies. Cummins Cederberg's areas of specialization include *coastal and marine engineering, above and underwater engineering inspections, construction administration, environmental fieldwork, regulatory permitting, feasibility studies, numerical modeling, dredge design, wave energy studies, mitigation design, and sea level rise and coastal resiliency.*

Our project experience and staff qualifications listed within this response demonstrates an unmatched team with the capabilities to manage and execute projects from start to finish. We appreciate the opportunity to submit our qualifications and stand by ready to assist the City through execution of work orders developed pursuant to this RFQ. Should you have any questions or require additional information, please do not hesitate to contact me at 561-210-9330 or jcederberg@CumminsCederberg.com.

Sincerely,
CUMMINS CEDERBERG, INC.



Jannek Cederberg, MSc, PE
President

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March 24, 2021

Attn: Office of the City Clerk
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RE: Marine/Coastal Engineering Consulting Services for The Riviera Beach Marina
RFQ 1023-21-2

Dear City Council Members,

We have reviewed and understand the scope of work to be performed and are familiar with the City's plan for Marina Village and the marina itself. It is our understanding the City plans to issue work orders for engineering services, and we are confident the team at Cummins Cederberg can meet the City's marine and coastal engineering needs and exceed your expectations.

As part of the ongoing operation of the Riviera Beach Marina, periodic marine and coastal engineering services may be required to maintain the waterfront facilities, which support the existing and planned upland development. The Riviera Beach Marina has undergone a major reconstruction program since 2010 to create the world-class Marina Village. With completion of Phase I of the project in December 2012, and the completion of Phase II-A in July 2014, the marina now has a concrete floating dock system consisting of dedicated wet-slip dockage for approximately 111 boats and marginal dockage of approximately 2,000 linear feet. The new marina supports the upland mixed-use, retail, restaurant, entertainment, and recreation development. As part of continued development, we understand the City is planning to add additional retail, hotel, restaurant, apartments, parking, and entertainment amenities to the site.

Our Marine and Coastal Engineering areas of service include:

- ✓ Shoreline protection
- ✓ Numerical modeling
- ✓ Underwater inspections
- ✓ Dredge design
- ✓ Coastal/marine structure design
- ✓ Sea Level Rise planning
- ✓ Scour analysis
- ✓ Coastal resiliency
- ✓ Regulatory permitting
- ✓ Marine Resources Surveys
- ✓ Aerial drone surveys
- ✓ Mitigation planning

Established in South Florida, Cummins Cederberg is headquartered in Miami with branch offices located in Fort Lauderdale, Jupiter, and Tallahassee. This RFQ will be managed through our local full-service Jupiter office with support from other offices, as needed. Our professional staff includes licensed professional engineers with advanced degrees specifically in coastal

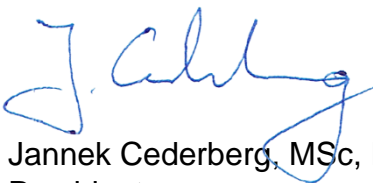
engineering, as well as marine structural engineers, resiliency and adaptation specialists, marine biologists, regulatory and policy experts, marine scientists, and surveyors, with proven experience in all facets of engineering, environmental planning, regulatory permitting, and coastal management. We are confident our educational and professional experience, with an exclusive focus on the coastal and marine environments, brings together a team of in-house technical experts with the skillset required for this RFQ, as we have successfully provided these services for similar public and private contracts.

Cummins Cederberg engineers, regulatory experts, and marine scientists bring unrivaled qualifications and experience working in marine and coastal environments and are recognized in the industry for their knowledge and proficiency. We are proud to have several former regulators on staff, who bring unmatched insight into the environmental regulatory permitting process. This includes senior staff from all environmental agencies typically issuing environmental permits for coastal and marine projects within the City (e.g., FDEP, USACE and SFWMD). We work very closely with our clients to understand their needs, quickly identify resolutions, execute projects cost-effectively, and deliver projects on time.

We intend for this submittal to emphasize a distinguished theme – *no other firm can match the qualifications of our team's strength and level of exclusive focus on projects in the coastal and marine environments, more specifically our portfolio of experience on local marinas*. This fusion of talent and combination of our demonstrated ability to complete challenging engineering projects requiring creativity and unique solutions with our exceptional relationships spanning years or collaboration with local, regional, state, and federal agencies will provide the City of Riviera Beach a team who can meet any of their marine and coastal engineering tasks.

Again, we appreciate the opportunity to submit our qualifications and stand by ready to assist the City through execution of work orders developed pursuant to this RFQ. Should you have any questions or require additional information, please do not hesitate to contact me at 561-210-9330 or jcederberg@CumminsCederberg.com.

Sincerely,
CUMMINS CEDERBERG, INC.

A handwritten signature in blue ink, appearing to read 'J. Cederberg', with a stylized flourish at the end.

Jannek Cederberg, MSc, PE
President



Profile of Firm

History

The firm was founded in South Florida by Jason Cummins, PE, and Jannek Cederberg, PE, as a corporation, and over the course of 11 years has successfully grown to a team of over 30 coastal engineers, marine structural engineers, environmental scientists, construction managers, and regulatory and policy specialists. The two founders have extensive experience in the coastal and marine realm from both private and public clients. They have been involved in more than 500 coastal and marine engineering projects throughout Florida and the Caribbean (some of the largest in the region) and provide unmatched knowledge and experience.

Capabilities

The Cummins Cederberg team includes Florida registered professional engineers, regulatory experts, and marine scientists with extensive experience in marina planning, coastal engineering, marine structure inspection and design, public engagement, environmental permitting, ecological assessment, mitigation negotiation, and construction administration. Cummins Cederberg's exclusive focus is on the coastal and marine environment, with the bulk of our projects consisting of marinas, waterfront structures, waterfront parks.

Cummins Cederberg has inspected and designed dozens of marinas over the past 11 years. We have also permitted and provided construction administration services for most of these projects. Our marina designs result in successful, profitable projects that meet the market demands for larger, wider vessels, while still providing slips for smaller vessels, as is often necessary at public marinas.

The planning and design of marine and coastal engineering projects, specifically marinas, involves several components in addition to typical construction of an upland structure. The harsh marine environment can result in increased deterioration and future maintenance issues if not properly considered during the design process. A marine structure is exposed to variable conditions, such as saltwater, storm waves, tidal currents, and potential sediment transport, as well as other potential dynamic loading conditions. Our marine engineers have designed projects throughout Palm Beach, Broward, and Miami-Dade County with experience ranging from seawalls and docks to large cruise ship piers and ports.

In addition, Cummins Cederberg has an in-house team of marine biologists and regulatory experts with unmatched expertise in local, state, and federal environmental permitting, marine resource surveys, artificial reef design and monitoring, NEPA documentation, Endangered

31 Team
Members

61% Female
Workforce

6 Professional
Engineers

7 AAUS
Scientific
Divers

Local Palm
Beach County
Office

Exclusive
Waterfront
Focus

Species Act Section 7 consultation, and Essential Fish Habitat Assessments. Our team includes a former Florida Department of Environmental Protection (FDEP) Deputy Director and a former US Army Corps of Engineers (USACE) Section Chief, as well as other former environmental regulatory agency staff, with intimate knowledge of the regulatory process and professional relationships with agency personnel. Our biologists work hand in hand with our engineers to ensure projects are completed on time and within budget to exceed your project goals, while protecting natural resources to the maximum extent practicable. Through detailed plans and hands-on communication with the regulatory agencies, Cummins Cederberg is experienced in expediting the permitting process and we are uniquely positioned to leverage our extensive understanding of the engineering and permitting aspects of the marine environment to avoid a lengthy, costly permitting process.

Our construction management staff have experience on both the contractor and design side with project management and oversight of marina projects throughout Florida including contract terms, construction specifications, construction methodology, permit compliance, and construction administration. Having former marine contractors on staff results in a substantial cost savings when it comes to constructability reviews and cost estimating. During construction planning, Cummins Cederberg can collect the bid documents for the City, as well as support the City's Procurement Department throughout the bid process. Our construction management process includes regular site visits and progress reporting to City staff. Our experience working on projects from field to finish ensures our marina designs consider all aspects of project development up front during the design phase, rather than further down the line.

In addition to our vast experience planning, permitting, and designing marinas, Cummins Cederberg brings extensive experience conducting underwater inspections of marine structures. While the marina docks and seawall were upgraded in the last 10 years, deterioration of these components can bring significant cost when repairs are required. The maintenance of these structures can significantly extend their service life and reduce capital costs incurred by the City to replace these expensive structures. Cummins Cederberg is unique in South Florida by bringing expertise in both coastal engineering and structural engineering. We are capable of fielding two OSHA-compliant dive teams to conduct underwater investigations of coastal structures. Our staff includes five engineer-divers, three of which are registered Professional Engineers in Florida. As the City moves forward with continued operation of the marina, implementation of a periodic maintenance program consisting of routine above- and underwater structural investigations could provide the City with valuable information. Cummins Cederberg can assist the City to develop and implement this management program, which could also include a plan for post-storm assessments of these assets.





**Qualifications of
Firm's Team**

Qualifications of Firm's Team

Local Office and Similar Experience

Cummins Cederberg has an established local office within Palm Beach County, located in Jupiter. This office was the second of the 4 Cummins Cederberg Florida offices to open and the largest subsidiary office. The office includes coastal and marine structural engineers, environmental scientists, GIS analysts, and CAD designers. Most recently, the Jupiter office just completed providing coastal engineering services for the Lake Worth Inlet Flood Shoal Dredge Design, located north of Peanut Island in the waterways accessed by the same boating community who would access the Riviera Beach Marina. Engineers also recently completed a structural inspection of Sailfish Marina, located on the opposite side of the waterway as the Riviera Beach Marina.

Other local experience and similar marina experience includes:

- ✓ **Sailfish Marina, Riviera Beach** – Engineering inspection of 58-slip marina for insurance claim review.
- ✓ **New Port Cove Marina, Riviera Beach** (343-slips); **North Palm Beach Marina, North Palm Beach** (107-slips); **Old Port Cove Marina, North Palm Beach** (176-slips) – Engineering inspection and environmental permitting compliance in support of real estate transaction.
- ✓ **Mariner's Cove Marina, Palm Beach** – Field investigations, engineering design, and regulatory permitting for the replacement of the 60-slip marina.
- ✓ **Seahaven Superyacht Marina, Dania Beach** – Engineering, construction drawings, and construction administration for excavation of a 400-square foot basin, 1,200 feet of new seawall, and floating docks, including mooring analysis for up to 65-foot vessels in Category 3 Hurricane winds and normal operations with maximum 200-foot vessels.
- ✓ **Coastal Towers, Sunny Isles Beach** – Field investigations, environmental permitting, and marine engineering design for 1,500 feet of seawall and dockage for a 33-slip marina. Rather than replacing the existing items in-kind, Cummins Cederberg developed value engineering alternatives, including the incorporation of a living shoreline with rock revetment for stabilization, and reconfigured the slip layout of the marina for improved efficiency. The value engineering reduced construction costs by more than \$2M.
- ✓ **Dinner Key Marina, Coconut Grove** – Engineering design, value engineering, environmental permitting, and construction administration for the repairs and restoration of Dinner Key Marina. With over 500-slips, Dinner Key Marina is one of the largest marinas on the eastern coast of the US. Improvements include replacement and repairs of docks and associated utilities that were damaged by past hurricanes.



- ✓ **Bentley Bay Marina, Miami Beach** – Negotiated complex submerged land lease allowing reconfiguration of historical 16-slip marina within the Biscayne Bay Aquatic Preserve. The project was subject to environmental regulatory challenges where construction of new marinas is not typically authorized. Engineering design utilizing concrete piles, cap, and beams with grated decking to allow for adequate light to reach the seagrass habitat below; environmental permitting; and construction administration including bidding, inspections, field reports, and permit close-out.



- ✓ **Journey's End Marina, Coral Gables** – Engineering design to replace 14-slip marina, including new concrete seawall, fixed docking facility, maintenance dredging, and mangrove trimming.
- ✓ **Marina at Abitare, City of Miami** – Engineering design for emergency repairs to docks following Hurricane Irma. Engineering design, environmental permitting, and construction administration for replacement of 14-slip marina with authorization for mangrove trimming.

- ✓ **Sunset Harbor Yacht Club, Miami Beach** – Continuing engineering and environmental permitting services since 2011 for 120-slip luxury marina. Services include marine structure inspections, engineering design of various rehabilitation projects involving repairs and replacement of seawall, docks, and wave attenuator. Environmental permitting and construction administration for all marina repairs.



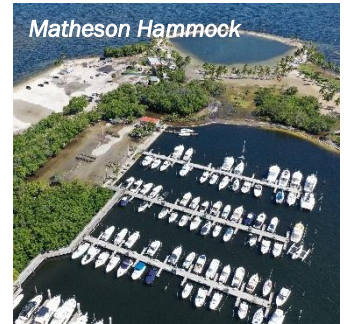
- ✓ **Palm Bay Marina, City of Miami** – Permitting feasibility to evaluate reconfiguration of 40-slip marina relative to submerged lands ownership, maximizing linear feet of dockage. Engineering design for dock replacement considering coastal resiliency and sea level rise.
- ✓ **Landings of Largo Marina, Key Largo** – Marine engineering inspection, engineering design, and permitting for replacement of 62-slip marina damaged by Hurricane Irma. Bidding assistance and construction administration services provided through completion of marina replacement.

- ✓ **Costa Brava Marina, Miami Beach** – Engineering design, environmental permitting, and construction administration for the reconstruction of a 32-slip marina damaged by a hurricane including marina structures and utilities.



- ✓ **Crandon Park Marina, Key Biscayne** – Analysis of sedimentation issue resulting in reduction in slip availability within large marina owned by Miami-Dade County. Coastal engineering analysis including wave, hydrodynamic, and sedimentation modeling with development of conceptual designs to reduce sedimentation. Permit feasibility and marine resources were assessed as well.

- ✓ **Ocean Breeze Marina, Marathon** – Engineering design and construction administration services for seawall and marina replacement following damage by Hurricane Irma. The 14-slip marina replacement included a fixed docking system and steel sheet pile bulkhead.
- ✓ **Matheson Hammock Park Marina, Black Point Marina, Haulover Park Marina, Homestead Bayfront Park & Marina, Miami-Dade County** – Analyzed the impacts of sea level rise on the park’s infrastructure, specifically the marina, and developed flood mitigation concepts for marina planning and budgeting purposes. The project prioritized repairs and resilient park modifications over time, allowing the County to budget for implementation of various design elements, while ensuring park elements remain functional as sea level rises.
- ✓ **Resorts World, Miami** – Resorts World Miami was a proposed development project at the former properties of the Miami Herald, El Nuevo Herald, and Omni International Mall in Downtown Miami. Cummins Cederberg developed various marina alternatives, which evaluated potential number of slips and sizes, potential marine resource impacts, water depths, waves and currents, as well as physical and visual connection to the proposed upland development.
- ✓ **Carr’s Bay Port, Government of Montserrat** – Market and feasibility study of proposed luxury marina. Various slip mixes were analyzed to understand opportunities and constrains, as well as revenue optimization for proposed marina development.
- ✓ **Village Cay Marina, Tortola** – Master planning for marina redevelopment. Evaluated marina configuration and designed revised layout that significantly increased the number of slips from 50 to 120. As part of the marina planning process, the overall marina and shoreline configuration was modified to increase synergy between the upland and marina uses.



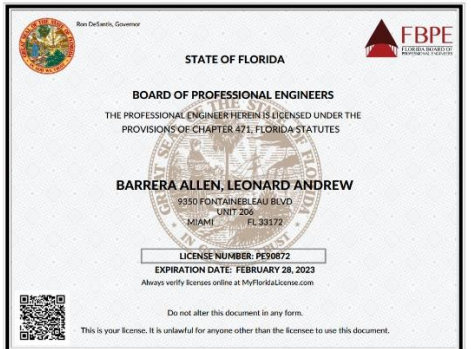
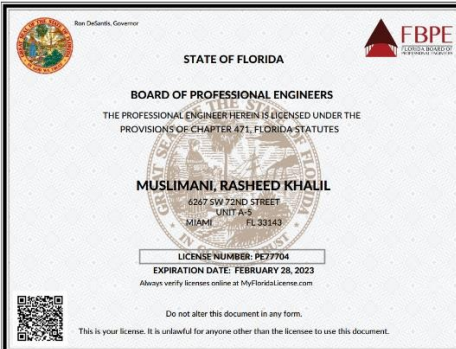
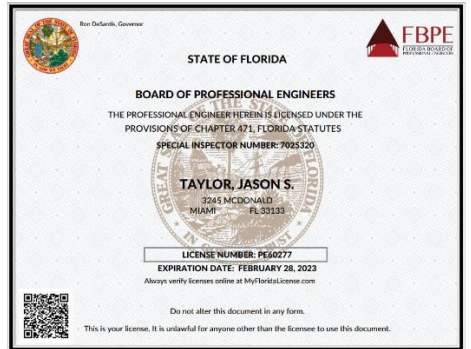
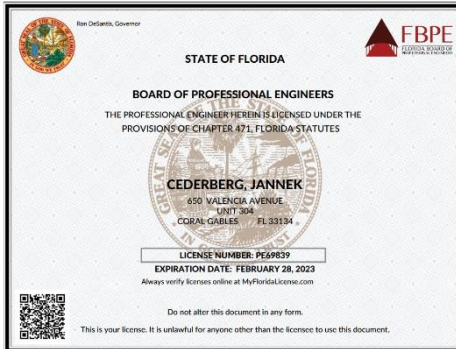
Team Organizational Matrix

A summary of the key members of each firm and their general qualifications is provided on the requested matrix style personnel chart. Resumes of key individuals are included as well and indicated on the matrix.

Name	Role	Education	Years of Exp.	Licenses	Office Location	% Available
Cummins Cederberg, Inc.						
Jordon Cheifet	Project Manager	MS Ocean & Resources Engineering, University of Hawaii	15	PE CFM	Jupiter	50%
Jannek Cederberg	QA/QC Officer, Principal	MS Coastal Engineering, Technical University of Denmark	20	PE	Miami	40%
Jason Cummins	Senior Marine Structural Engineer, Principal	MS Coastal & Oceanographic Engineering, UF	15	PE	Miami	40%
Jason Taylor	Senior Marine Structural Engineer, Underwater Insp.	MS Structural Engineering, Stanford	23	PE	Miami	45%
Jonathan Cunningham	Marine Structural Engineer, Underwater Insp.	BS Civil Engineering, Penn State University	5	EI	Jupiter	60%
Gina Chiello	Lead Env. Sciences, Senior Marine Biologist	BS Marine Biology, Univ. of West Florida	12	-	Jupiter	50%
Anne Laird	Senior Marine Biologist, Environmental Permitting	MS Marine Science, NSU	24	-	Jupiter	45%
Leonard Allen Barrera	Coastal Engineer	MS Ocean Engineering, UM	7	PE	Miami	50%
Colton Manning	Coastal Engineer	MS Coastal & Oceanographic Engineering, UF	3	EI	Jupiter	60%
Penny Cutt	Senior Marine Biologist, Environmental Permitting	MS Agricultural Operations Mgmt. Operations, UF	26	-	Fort Lauderdale	40%
Christie Hurley	Senior Marine Biologist, Environmental Permitting	MS Biology, FAU	18	WEDG	Fort Lauderdale	40%
Francesca Fourney	Marine Biologist, Environmental Permitting	MS Marine Biology, NSU	5	-	Fort Lauderdale	50%
Sahar Haddadian, PhD	Coastal Engineer	PHD Civil & Coastal Engineering, LSU	1	EI	Fort Lauderdale	65%
Jessica Rakich	Coastal Engineer	MS Coastal & Oceanographic Engineering, UF	4	EI	Fort Lauderdale	65%
Rasheed Muslimani	Construction Manager	BS Civil Engineering, UM BS Architectural Eng, UM	12	PE, PMP	Miami	50%
Brent Gore	GIS Specialist	MA Geography, East Carolina University	10	GISP	Jupiter	40%
Rebecah Delp	Marine Biologist, Environmental Permitting	MPS Tropical Marine Ecosystem Management, UM	4	-	Miami	50%
Caroline Jasperse	Marine Biologist, Environmental Permitting	MPS Tropical Marine Ecosystem Management, UM	2	-	Miami	50%
Ken Chang	Marine Structural Engineer	BS Civil Engineering, FIU	4	EI	Miami	50%
Marie Guyer	Marine Structural Engineer	BS Civil Engineering, UM	2	-	Miami	60%
Danielle Irwin	Resiliency Adaptation, Regulatory Policy	MS Oceanography, FSU	20	WEDG, CFM	Tallahassee	40%

Katie Britt Williams	Grant Funding Specialist	MS Natural Resources Conservation, UF	8	-	Tallahassee	50%
RADISE International (Geotech)						
Tom Mullin	Geotechnical Engineering Lead	MS, Civil/Geotechnical Engineering, University of Illinois	43	PE	Riviera Beach	50%
Terraquatic (Survey)						
Ken Jackson	Survey Lead	Land Surveying, Palm, PB Community College	42	PSM	Lantana	50%
RGD Engineers (MEP)						
Mike Bishop	MEP Engineering Lead	BS Industrial Engineering, UF	24	PE, LEED AP	West Palm Beach	40%

Licenses



Litigation Statement

Cummins Cederberg, Inc. (Cummins Cederberg) hereby certifies that no litigation or regulatory action has been filed against our firm. We also certify that we do not have any conflicts of interest.

We appreciate the opportunity to submit our qualifications and stand by ready to assist the City. Should you have any question or require additional information, please do not hesitate to contact me at 561-210-9330.

Sincerely,
CUMMINS CEDERBERG, INC.

A handwritten signature in blue ink, appearing to read "J. Cederberg".

Jannek Cederberg, PE
President

Jordon P. Cheifet, PE, CFM

Project Manager

CUMMINS | CEDERBERG
Coastal & Marine Engineering



SKILLS & EXPERTISE

- ✓ Coastal Engineering and Modeling
- ✓ Waterfront Structural Design
- ✓ Underwater Inspection
- ✓ Construction Plans and Specifications
- ✓ Construction Oversight
- ✓ Feasibility Studies of Marine and Coastal Engineering Projects

YEARS OF EXPERIENCE

- 15

EDUCATION

- M.Sc. Ocean and Resources Engineering, University of Hawaii
- B.Sc. Civil Engineering, Pennsylvania State University

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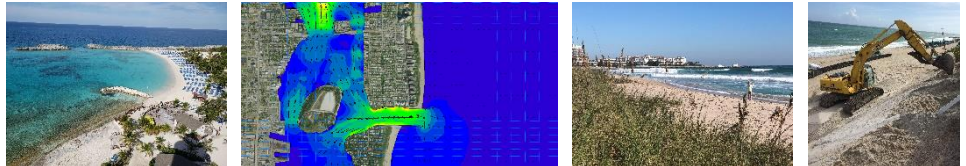
- Florida PE No. 72876

CERTIFICATIONS

- Professional Engineer – Florida No. 72876
- Certified Floodplain Manager
- Certified Video Ray ROV Operator
- Surface Supplied Air Underwater Inspection Certification
- Advanced/Rescue/Nitrox SCUBA

PROFESSIONAL AFFILIATIONS

- Association of State Floodplain Managers, Member
- Florida Floodplain Managers Association, Member



RELEVANT EXPERIENCE

Jordon Cheifet is a Marine/Coastal Engineer with more than 15 years of technical and project management experience, including coastal engineering, beach nourishment design, waterfront structure design, FEMA coastal floodplain mapping, shoreline restoration/stabilization design, numerical modeling, and marina design. His field experience includes underwater waterfront facility inspections, GIS/GPS data collection and analysis, surveying, and construction administration. Jordon is a registered Professional Engineer in the State of Florida, Alabama, and Texas, as well as a Certified Floodplain Manager.

Sailfish Marina Condition Assessment, Palm Beach Shores, Florida. Performed a marine engineering inspection to compare as-built conditions to the approved construction drawings for a new dock, which may not have been constructed following the approved design drawings. A report will be including an assessment of the existing marine structures and a comparison summary with the approved plans, and recommendations for rehabilitation, if applicable.

Lake Worth Inlet, Palm Beach Harbor EIS, Town of Palm Beach, Florida. Performed a coastal engineering peer review on behalf of the Town of the proposed channel deepening and widening associated with the Port of Palm Beach expansion. The peer review included a review of the EIS for general and technical soundness relative to the Town's interests. The peer review included a review of the EIS to identify data gaps and inconsistencies to be included in the public record.

NSU Ocean Campus Groin & Wharf Design, Dania Beach, Florida. Development of conceptual plans related to relocating the groin and fortifying the wharf and seawall to accommodate a USACE dredging project at the NSU Oceanographic Center. Project included evaluation of existing geotechnical data, navigational feasibility, cost estimating, and wave climate analysis. Coordination with U.S. Navy and U.S. Coast Guard to discuss concepts and feasibility.

Mooring Buoy Design, Miami, Florida. Provided coastal engineering design for new mooring buoys at 6 artificial/natural reef sites in the Atlantic Ocean. The project included sediment probes to determine buoy foundation requirements, engineering design, and preparation of plans and specifications. Project is scheduled to begin construction Summer 2020.

Jordon P. Cheifet, PE, CFM

Project Manager

CUMMINS | CEDERBERG
Coastal & Marine Engineering

El Cid Dock, City of West Palm Beach, Florida. Performed a structural/coastal engineering assessment of the El Cid Dock to evaluate the current condition. The field investigation included an above- and underwater investigation of the structure. Engineering data obtained was used to provide recommendations for replacement and public safety. Provided project management, structural/coastal engineering design for the replacement structure, and construction oversight during construction.

Hampton Inn Bulkhead and Marina, City of Fort Lauderdale, Florida. Performed a structural engineering assessment of the existing steel/concrete bulkhead and timber/floating docks at the proposed Hampton Inn site. A replacement bulkhead and marina design were completed for compliance with FBC requirements and general boating standards. The design included marina slip mix design, dock and associated utility layout, and dredging design. Also provided project management and structural/coastal engineering design.

Dania Beach Municipal Dock, City of Dania Beach, Florida. Performed a structural engineering assessment of the Dania Beach Municipal Pier to evaluate the current condition after a vessel impact caused damage to the structure. The field investigation included an above- and underwater investigation along over 250 feet of marginal dock including concrete piles and timber framing and decking. Engineering data obtained was used to provide recommendations for repair and public safety.

Biscayne Beach Club Bulkhead and Docks, City of Miami, Florida. Performed a structural engineering assessment of the existing steel bulkhead and timber docks at the proposed Biscayne Beach Club Condominium site. A replacement design was completed for compliance with FEMA/FBC code requirements for development in the flood zone and a FEMA Letter of Map Change was obtained for the site to allow greater design flexibility and flood insurance premium savings. Also provided project management, structural/coastal engineering design, and construction oversight services for this high-profile project.

Marine Stadium Underwater Investigation, City of Miami, Florida. Performed a structural engineering assessment of the Marine Stadium to evaluate the current condition the waterfront structure. The field investigation included an above- and underwater investigation of over 200 concrete piles, 400 concrete pile caps, and concrete overwater decking. The investigation included performing non- and partially destructive materials testing. Structural repair/replacement recommendations and cost estimates were prepared.

Elysee Condominium, City of Miami, Florida. Performed a structural engineering assessment of the existing steel bulkhead and timber docks at the proposed Elysee Condominium site. A replacement design was completed for compliance with FEMA/FBC flood code requirements for development in the flood zone and a FEMA Conditional Letter of Map Change was obtained to allow greater design flexibility and flood insurance premium savings. Also provided project management, structural/coastal engineering design, and underwater inspection services for this high-profile project.

Haulover Marina, City of Miami, Florida. Performed numerical modeling of coastal flooding to support a City of Miami required Coastal A (LiMWA) Zone delineation for upland development. Services included developing design wave criteria, floodplain mapping, and FEMA/FBC flood code compliance consulting. Owner/Client: Westrec Companies,

Hillsboro Imperial Condominium Seawall Condition Assessment, Hillsboro Beach, Florida. Performed a condition assessment of 250 feet of seawall fronting the Atlantic Ocean shoreline. An engineering report was developed to document the observed conditions and assist in developing repair and maintenance recommendations based on the severity of damage and results of the initial investigation.

Kristi House Shoreline Stabilization, Miami, Florida. Provided structural/coastal engineering design for 525 feet of shoreline stabilization along an eroded portion of Wagner Creek. The project included a steel sheet pile bulkhead and armor stones with transition grading to the existing upland parking lot. Services performed included scour analyses, wave load analyses, and structure design. The project is currently in environmental permitting with construction expected to commence in 2021.

Curtis Park, City of Miami, Florida. Provided construction oversight and conceptual design for the marine works phase of this municipal boat ramp restoration project. Services performed included dock pile installation monitoring, bulkhead construction observation, and boat ramp repair design.

Jannek Cederberg, PE

QA/QC Officer, Principal Engineer

CUMMINS | CEDERBERG
Coastal & Marine Engineering



SKILLS & EXPERTISE

- ✓ Waterfront Engineering and Planning
- ✓ Coastal Resiliency
- ✓ Numerical Modeling
- ✓ Environmental Permitting
- ✓ Coastal and Marine Structures
- ✓ Coastal Processes - Waves, Currents, Sediment Transport and Hurricanes

YEARS OF EXPERIENCE

- 20

EDUCATION

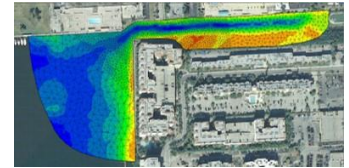
- M.S. Coastal Engineering, Technical University of Denmark

LICENSES

- Florida PE No. 69839

PROFESSIONAL AFFILIATIONS

- Permanent International Association of Navigation Congress
- Member of PIANC Working group
- Design and Operational Guidelines for "Superyacht Facilities"
- Danish Society of Hydraulic Engineering
- Florida Association of Environmental Professionals, Treasure Coast Chapter
- Port Everglades Association
- Marine Industries Association of Palm Beach County



RELEVANT EXPERIENCE

As Principal, Jannek Cederberg is responsible for all engineering production including scheduling, resource allocation, and quality management. Jannek is formally trained as a coastal and marine engineer from the Technical University of Denmark. He has more than 20 years of experience in coastal and marine engineering. Jannek has completed engineering analyses, designs and permitting for a variety of shore protection, beach nourishment, river, cruise ship, marina and waterfront projects throughout Florida, the Caribbean and Central America.

Lake Worth Inlet Flood Shoal Dredging, Palm Beach County, Florida. Performed the coastal engineering analysis and dredge design for the Lake Worth Lagoon Flood Shoal Dredging Project. The coastal engineering analysis included the numerical model of the tidal hydrodynamics at the project site and the modeling of the sediment transport patterns following the dredging of the project. Conducted an analysis of the potential impacts to the local marine resources during dredging operations and developed construction methodologies to prevent impacts to the marine resources

Rybovich Spencer Boatyard, West Palm Beach, Florida. Coastal design criteria for fixed and floating dock structures, including an integrated wave attenuator. Numerical wave and hydrodynamic modeling. Evaluation of flushing characteristics and water quality for proposed marina design. Simulation of current velocities at the entrance and evaluate navigation.

Crandon Park Marina, Key Biscayne, Florida. Field investigations including bathymetric surveying, tide and current measurements, marine resource survey, and sediment sampling. Tidal hydrodynamic modeling along with wave and sediment transport analyses conducted to determine source and magnitude of marina sedimentation problem. Alternatives assessment of potential coastal structures to inhibit sedimentation and need for periodic dredging.

Costa Brava Marina, Miami Beach, Florida. Costa Brava Condominium Association. Environmental permitting for reconstruction of a 30-slip marina in Biscayne Bay through local, State, and Federal Agencies Such as Miami-Dade County Regulatory, Economical Resources Department, Florida, Department of Environmental Protection and US Army Corps of Engineers. Engineering support

through construction bid process, including bid evaluation, contractor selection and construction administration.

Sunset Harbour Yacht Club, Miami Beach, Florida. The project included repairs of concrete slabs, caps and piles for 125-slip marina located in Biscayne Bay Aquatic Preserve, which has strict environmental guidelines. A marine resource assessment was conducted to assess potential impacts. Pre-application meetings were conducted with environmental agencies to understand primary concerns and potential impacts on schedule. Environmental permit applications were prepared and processed with DERM, FDEP, and USACE. Building permit was obtained with City of Miami Beach. Detailed repair drawings were prepared with specific criteria to minimize impacts to marine resources and water quality.

Vertical Yacht Club at Marina Mile, Fort Lauderdale, Florida. Prepared design of bulkhead and docks for boats up to 70 feet for the redevelopment of the Vertical Yacht Club marina facility located on the New River in Fort Lauderdale. Prepared engineering studies and communicated with environmental agencies relative to project approval. Conducted a site-specific flushing analysis to assess potential impacts of dredging on water circulation and quality.

Island Gardens Mega-Yacht Marina, Miami, Florida. Design and environmental permitting for 50-slip mega-yacht marina on Watson Island as part of \$600M site redevelopment. Engineering design of dredging, fixed piers, and wave attenuators for vessels up to 450' long.

Bayshore Landing Marina, Coconut Grove, Florida. Above and below water structural inspection of concrete and timber dock structures, as well as utilities of a 100+ slip marina. Compiled inventory of structure elements (i.e. caps, deck slabs, piles, etc.) with condition rating and repair recommendation. Prepared engineering report to document investigation along with cost estimate for recommended repairs.

Sun Power Diesel Marina Facility, Broward County, Florida. Dredging design for the proposed marina basin as well as dock and bulkhead design to support a 300-slip dry storage facility. Current and tide measurements were obtained to calibrate a numerical hydrodynamic model, which was then utilized to evaluate the flushing time for the proposed dredged conditions.

Fisher Island Slip Widening Project, Miami, Florida. Dredge and scour protection design for slip widening. Evaluated required dredge elevation based on proposed commercial ferry required under-keel clearance and hardbottom location. Evaluated the scour resulting from the proposed commercial ferry at the slip and determined the protection scheme to prevent scour from the vessel to occur within the slip. Seabed velocities were determined from the proposed ferry's characteristics and the required scour protection (rock diameter, weight, layers, etc.) was determined at the slip.

Carrs & Little Bay Port and Waterfront Development, Montserrat. Cummins Cederberg served as marine advisor for the Government of Montserrat for \$100M+ port and waterfront development. The development consists of cruise ship and cargo vessel berthing, 50+ slip marina, river stabilization, waterfront promenade and beaches. Participated and led marine engineering components of planning workshops to develop holistic master plan. Review tender documents and qualifications packages. Review of all technical analyses and designs. Assisted in navigation review and optimization through real time 360-degree simulation of cruise ships and cargo vessel. Provided recommendations to value engineer designs, reduce cost and increase efficiency.

Emerald Bay Marina, Great Exuma, Bahamas. Conducted numerical modeling of wave propagation into the marina basin and prepared design recommendations for entrance channel modifications. Evaluated wave energy distribution within the marina and provided recommendations to improve mooring conditions.

Cap Cana Marine Works, Punta Cana, Dominican Republic. Coastal engineering design for the dredging of 1.25-mile canal to create basin for 500+ slip marina. Design of shoreline stabilization, beaches, entrance channel jetties, numerical modeling of coastal processes and hydrographic surveying. Water circulation analysis of marina and canal layout.

Port of Roatan Cruise Terminal, Roatan, Honduras. Design of reclamation and shore protection for cruise terminal expansion. Numerical modeling of hurricane, storm surge, and wave propagation.

Jason R. Cummins, PE

Senior Coastal & Marine Engineer, Principal Engineer

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SKILLS & EXPERTISE

- ✓ Planning and Feasibility of Marine Infrastructure Projects
- ✓ Underwater Investigations (SCUBA)
- ✓ Coastal Design Criteria - Tides, Waves, Currents and Hurricanes
- ✓ Structural Design of Steel and Concrete Marine Structures
- ✓ Bathymetric Surveying



YEARS OF EXPERIENCE

- 15

EDUCATION

- MSc Coastal and Oceanographic Engineering, University of Florida
- BSc Civil Engineering, University of Florida

LICENSES

- Florida PE No. 71538

CERTIFICATIONS

- Certified Diver
- FHWA A-NHI 130091 Underwater Bridge Inspection – National Highway Institute and Association of Diving Contractors

PROFESSIONAL AFFILIATIONS

- Urban Land Institute (ULI) SE Florida/Caribbean, Member
- American Society of Civil Engineers, ASCE
- American Institute of Architects
- South Florida Association of Environmental Professionals
- Marine Industries Association of Palm Beach County

RELEVANT EXPERIENCE

Jason Cummins is a Coastal Engineer with significant experience in inspections, planning, engineering, regulatory permitting and construction of coastal and waterfront development and infrastructure projects in Florida, Caribbean and Latin America. He is a registered Professional Engineer in the U.S., capable of designing marine facilities, shoreline stabilization and coastal structures. He is proficient in the application of numerical models, including the Danish Hydraulics Institute (DHI) MIKE-21 suite of numerical modeling tools, structural analysis tools and Federal State and Local design codes. In addition to his professional achievements, Jason presently serves on the non-profit Board for Bill Baggs Cape Florida State Park.

Rybovich Spencer Boatyard, West Palm Beach, Florida. Coastal design criteria for fixed and floating dock structures, including an integrated wave attenuator. Numerical wave and hydrodynamic modeling. Evaluation of flushing characteristics and water quality for proposed marina design. Simulation of current velocities at the entrance and evaluate navigation.

Seahaven Superyacht Marina, Dania Beach, Florida. Engineer of Record for new marina design and construction administration services for approximately 1,200 feet of new bulkhead for a deep-water yacht basin located in the Dania Cut-Off Canal. Part of the canal was excavated to create a new marina basin connected to the canal for this 40-slip superyacht marina. Bulkhead consists of steel sheet piling with concrete batter piles and reinforced concrete capping beams. Design criteria for a floating dock was also prepared including anticipate mooring loads.

Derecktor Megayacht Yard Travel Lift Piers, Dania Beach, Florida. Marine engineering services for the extension and relocation of existing travel lift piers located at the Derecktor shipyard. Designed pier extensions associated with 900-ton travel lift and new piers for relocation of a 200-ton travel lift. Managed the bidding process, assisted and made recommendations for contractor selection.

Concrete Dock Repairs at Sunset Harbour Yacht Club, Miami Beach, Florida. Repairs of concrete slabs, caps, and piles for a 125-slip yacht marina. Environmental permit applications were prepared and processed with the Miami-Dade County DERM, FDEP, and USACE. Detailed repair drawings were prepared with specific criteria to minimize impacts to adjacent structures, including the removal and replacement of severely deteriorated deck slabs.

Jason R. Cummins, PE

Senior Coastal & Marine Engineer, Principal Engineer

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Construction administration services were provided to review in accordance with construction documents and environmental permits.

Island Gardens Mega-Yacht Harbour, Miami, Florida. Marina design and environmental permitting for 50-slip mega-yacht harbor on Watson Island as part of \$600M site redevelopment. Engineering design of dredging, fixed piers, and wave attenuators for vessels up to 450 feet long.

Costa Brava Marina, Miami Beach, Florida. Environmental permitting for reconstruction of a 30-slip marina in Biscayne Bay through local, State, and Federal Agencies such as Miami-Dade County DERM, FDEP, and USACE. Engineering support through construction bid process, including bid evaluation, contractor selection and construction administration.

Vertical Yacht Club at Marina Mile, Fort Lauderdale, Florida. Prepared design of bulkhead and docks for boats up to 70 feet for the redevelopment of the Vertical Yacht Club marina facility located on the New River in Fort Lauderdale. Prepared engineering studies and communicated with environmental agencies relative to project approval. Conducted a site-specific flushing analysis to assess potential impacts of dredging on water circulation and quality.

Sun Power Diesel Marina Facility, Broward County, Florida. Dredging design for the proposed marina basin as well as dock and bulkhead design to support a 300-slip dry storage facility. Current and tide measurements were obtained to calibrate a numerical hydrodynamic model, which was then utilized to evaluate the flushing time for the proposed dredged conditions.

Bayshore Landing Marina, Coconut Grove, Florida. Above and below water structural inspection of concrete and timber dock structures, as well as utilities of a 100+ slip marina. Compiled inventory of structure elements (i.e. caps, deck slabs, piles, etc.) with condition rating and repair recommendation. Prepared engineering report to document investigation along with cost estimate for recommended repairs.

Paraiso Marina, Miami, Florida. Engineering design of marina utilizing all timber structural members. Marina located along the western shore of Biscayne Bay in Miami.

One Miami Condominium, Miami, Florida. Above and below water structural inspection of more than 900 feet of bulkhead consisting of steel sheet piles, reinforced concrete cap, and concrete mat scour protection. Prepared engineering report to document investigation, including specific deficiencies, conditions rating and cost estimate for recommended repairs.

Sporting Club at Ambergris Cay, Turks & Caicos. Engineering design of coastal works including entrance channel, dredging, 150-slip marina, and RoRo platform for shipments to remote island. Performed hydrodynamic numerical modeling of flushing characteristics for a proposed marina basin.

Cap Cana Marine Works, Punta Cana, Dominican Republic. Coastal engineering design for the dredging of 1.25-mile canal to create basin for 500+ slip marina. Design of shoreline stabilization, beaches, entrance channel jetties, numerical modeling of coastal processes and hydrographic surveying. Water circulation analysis of marina and canal layout.

Papagayo Mega-Yacht Marina, Costa Rica. Inspection of 180-slip marina with yachts up to 240 feet following passing Hurricane Nate. The marina suffered significant damage, as large waves were generated causing failure of the floating breakwater leaving the marina exposed. The marina is in deeper water requiring a specialized anchoring system. The anchoring system was inspected relative to hurricane damage and normal wear. Connections between docks were inspected and components were assessed for potential reuse.

Leeward Mega-Yacht Marina, Turks & Caicos. Inspection of mega-yacht marina following impacts from Hurricane Maria. The marina is located in 25 feet of water within an existing tidal channel connected ocean side to the shallower sand banks resulting in extreme currents. An inspection was conducted of all floating docks and pile to understand if components had been overstressed during the extreme conditions.

Port Development Feasibility, Panama. Conducted feasibility study for the development of a port facility, including the potential for cruise operations and ship repair facility. Evaluated coastal design criteria, including wind, waves, water levels and currents. Reviewed existing water depths, navigational requirements, and potential dredging. Prepared conceptual layouts of proposed facilities, and cost estimates for construction and operational equipment.

Gina Chiello

Environmental Science Lead

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YEARS OF EXPERIENCE

- 12

EDUCATION

- Graduate Certificate Geographic Information Systems, Florida Atlantic University
- B.Sc. Marine Biology, University of West Florida

CERTIFICATIONS

- NAUI Rescue Diver; PADI Enriched Air Nitrox Diver (IAND/EANx)
- American Academy of Underwater Sciences (AAUS) Scientific Diver Certified, Florida Atlantic University 2013, AAUS Compliant
- Florida Department of Environmental Protection Stormwater, Erosion and Sedimentation Control Inspector

PROFESSIONAL AFFILIATIONS

- American Academy of Underwater Sciences (AAUS), Individual Member
- Florida Association of Environmental Professionals (FAEP), Treasure Coast Chapter (TCC), Treasurer
- Urban Land Institute (ULI) SE Florida/Caribbean, Member
- Environmental and Land Use Law Section (ELULS) of the Florida Bar

SKILLS & EXPERTISE

- ✓ Environmental Permitting and Compliance
- ✓ Sovereign Submerged Lands
- ✓ Biological Assessments and Marine Resource Mapping
- ✓ Environmental Impact Assessment/Environmental Impact Statement
- ✓ Mitigation Assessment, Planning and Monitoring



RELEVANT EXPERIENCE

Gina has extensive experience planning and conducting habitat characterizations, impact assessments, marine resource surveys and biological monitoring throughout South Florida and the Caribbean. Gina's professional knowledge and experience with permitting and marine resource surveys across a variety of programs and sites, have equipped her to successfully implement projects while meeting regulatory challenges.

Lake Worth Inlet Flood Shoal Dredging, Riviera Beach, Florida. Project Manager for dredging of the flood shoal north of Peanut Island Park. Project includes dredging approx. 116,000 CY of material to restore the flood shoal to historical conditions functioning as an area for sand to deposit. Approx. 0.65 acres of seagrass will be impacted. Responsible for assisting with coastal engineering analysis objectives, processing permits through FDEP and USACE, mitigation planning, and public outreach.

Hillsboro Inlet District Maintenance Dredging & Sand Bypassing, Pompano Beach, Florida. Managed project and secured permit modifications from the USACE, DEP, and Broward County. Several permit conditions were modified to better suit the ongoing nature of the maintenance dredging and sand bypassing activities of the Hillsboro Inlet District. Provided as needed environmental and engineering consulting services with regards to permit compliance.

Baker's Haulover Inlet Benthic Mapping and EFH Assessment, Haulover Inlet, Florida. The USACE is proposing to dredge the Baker's Haulover Inlet ebb shoal and place the material on adjacent Town of Bal Harbor shoreline. Marine biologist for large-scale habitat mapping and characterization study of seagrass, macroalgae and hardbottom communities to support permitting and NEPA efforts, as well as future monitoring design. Also provided ESA Section 7 consultation support and Essential Fish Habitat Assessment.

Black Point Shrimp Boat Dock, Black Point, Miami, Florida. Performed a qualitative marine resource and vegetative survey along approximately 600 linear feet of shoreline at the Project site. The survey identified the location, density and species of natural resources (seagrass and mangroves). The findings of the survey were summarized in the Field Observation Report, which was considered for the design of the dock structures to minimize and avoid impacts to mangroves and seagrass observed within the proposed Project footprint. Coordinated with DERM, DEP and USACE to obtain environmental permits for construction activities.

Gina Chiello

Environmental Science Lead

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Drive-In Boat Wash, Miami and Fort Myers, Florida. Coordinated with the USACE, FDEP, and DERM to secure necessary permits for a boatwash system to be installed and operated within a marina. As a part of the permitting process, water quality monitoring was required by the agencies, Gina coordinated and managed the water quality monitoring and helped to establish procedures, reporting forms, and data logs.

Currie Park Boat Ramp, West Palm Beach, Florida. Conducted a marine resource assessment of the submerged lands, as required by the environmental regulatory agencies to evaluate impacts related to the proposed project consisting of a boat ramp, new navigation channels, and staging docks, and as required to secure permits for the proposed project. A Field Observation Report was prepared documenting the extent, species, and density of existing marine resources. Secured permits from the USACE, DEP, USCG and FWC.

Jupiter Harbourside Project, Town of Jupiter, Florida. Conducted a total of four (4) seagrass monitoring events and submitted the respective reports, as required by the SFWMD permit for the project. The purpose of conducting the monitoring events were to evaluate whether the project was meeting the permit required specific post construction mitigation requirements. Monitoring reports were prepared per the project specific permit conditions.

Normandy Ventures Docking Facility, Miami Beach, Florida. Managed project involving extensive project team and agency coordination. Conducted sovereign submerged lands research relative to historical mooring and grandfathering. Secured permits from the USACE, DEP, and DERM, as well as sovereign submerged lands authorization via a lease for an 8 slip private docking facility, that also required an EQCB variance from Miami-Dade County Code, along the east side of the project site, in the Biscayne Bay Aquatic Preserve. Worked towards securing a permit from DERM for a 4 slip marginal docking facility, along the south side of the project site, affecting City owned submerged lands and requiring an EQCB variance from Miami-Dade County and BCC approval, as well as permit modifications from the USACE and DEP.

Environmental Permitting and Engineering Consulting Services for Shoreline Stabilization and Dock at Coastal Towers, City of Sunny Isles Beach, Florida. Managed the environmental permitting for this Project, involving extensive project team and agency coordination relative to avoidance and minimization of impacts to marine resources. Gina reviewed the Project marine resource assessments and worked with staff to quantify unavoidable impacts to resources and subsequently prepare a mitigation plan. Gina conducted a mitigation assessment via the Wetland Environmental Assessment Technique (WATER) used to determine the amount of mitigation credits that should be purchased to offset the unavoidable impacts to seagrass. Additionally, Gina coordinated and reviewed the tree survey conducted along the shoreline, as 72 trees needed to be removed as part of the upland excavation associated with the Project, and coordinated with DERM and the City of Sunny Isles Beach to quantify the required mitigation based on tree canopy loss. Gina coordinated with an arborist to prepare a planting plan and coordinated with the mitigation bank, the City of Sunny Isles Beach, DERM, FDEP, NMFS and USACE to obtain the required mitigation documents and environmental permits for the proposed Project. Gina led permit compliance efforts and documentation to ensure the Project was constructed as authorized by the regulatory agencies.

Environmental Permitting and Engineering Consulting Services for Bentley Bay Marina, Miami Beach, Florida. Managed the environmental permitting for this Project, involving extensive project team and agency coordination relative to sovereign submerged lands use, consistency with the Miami-Dade County Manatee Protection Plan, and avoidance and minimization of impacts to marine resources. Gina performed three (3) marine resource assessments to document the location, species, and density of marine resources of significance (e.g., seagrasses and corals) but also following the National Marine Fisheries Services (NMFS) protocol for surveying Johnson's Seagrass within Johnson's Seagrass Critical Habitat and Acropora spp. within the Acropora spp. range. Gina conducted extensive sovereign submerged lands research relative to historical mooring and the Butler Act Disclaimer to secure sovereign submerged lands authorization. Through research of submerged lands ownership and historical use at the Project site, as well as coordination with the regulatory agencies, Gina secured environmental permits from the U.S. Army Corps of Engineers (USACE), Florida Department of Environmental Protection (FDEP) and Miami-Dade County Division of Environmental Resources Management (DERM), for the new marina. In addition to the typical regulatory approvals, an FDEP Sovereign Submerged Lands lease and DERM Marina Operating Permit (MOP) were also secured. Gina assisted with permit compliance efforts and documentation to ensure the Project was constructed as authorized by the regulatory agencies.

Jason Taylor, PE

Senior Marine Structural Engineer

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SKILLS & EXPERTISE

- ✓ Above and below water inspections
- ✓ Bulkhead and seawall design
- ✓ Fixed and floating marina design
- ✓ Vessel mooring/berthing analysis
- ✓ Construction administration and inspections
- ✓ New construction, repairs, retrofits, and forensic analysis

YEARS OF EXPERIENCE

- 23

EDUCATION

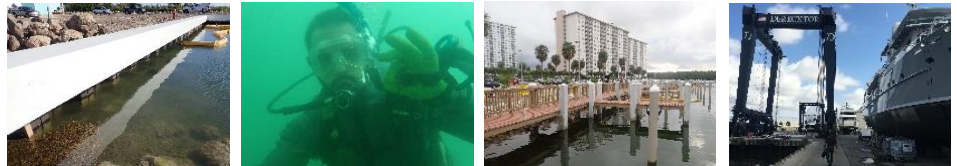
- M.Sc. Structural Engineering, Stanford University
- B.Sc. Civil Engineering, Stanford University

CERTIFICATIONS

- Florida PE No. 60277
- Special Inspector
- Certified Diver
- Advanced open water scuba

PROFESSIONAL AFFILIATIONS

- American Institute of Steel Construction
- American Concrete Institute



RELEVANT EXPERIENCE

As a Senior Project Engineer, Jason is responsible for the structural inspection, design, and construction administration for marine structural engineering projects. He holds a master's degree in Structural Engineering from Stanford University and has twenty-two years of experience as a structural engineer with a focus on coastal and marine structures. Jason has completed marine structure projects in the US and the Bahamas, including ports, fender systems, mooring dolphins, bulkheads, seawalls, docks, and piers. Jason is also a certified diver and leads the underwater structural inspection team.

North Palm Beach Marina, Palm Beach Gardens, Florida. Underwater inspection and condition assessment of bulkhead and floating/fixed docks for 104-slip marina, for vessel sizes up to 120' LOA. Inspection covered over 3,000 LF of seawall.

New Port Cove Marine Center, Palm Beach Gardens, Florida. Underwater inspection and condition assessment of fixed/floating docks and bulkhead for 44-slip marina for vessel sizes up to 175' LOA. Inspection included overwater marine launching platform.

Harbourside Jupiter Docking Facility, Jupiter, Florida. Design and inspection of new steel sheet pile bulkhead located and associated timber dock at the Harbourside marina along the Intracoastal Waterway. The new bulkhead supports upland commercial development near a 31-slip marina.

Loggerhead Jupiter, West Palm Beach, Florida. Design and inspection of marina launching facility rehabilitation of existing bulkhead, addition of new launching platform supported on auger-cast piling.

Seahaven Superyacht Marina, Dania Beach, Florida. Marina design and construction administration services for approximately 1,200 feet of new bulkhead for a deep-water yacht basin located in the Dania Cut-Off Canal. Part of the canal was excavated to create a new marina basin connected to the canal for this 40-slip superyacht marina. Bulkhead consists of steel sheet piling with concrete batter piles and reinforced concrete capping beams. Design criteria for a floating dock was also prepared including anticipate mooring loads. Construction administration services included review of contractor payment, site observations

Jason Taylor, PE

Senior Marine Structural Engineer

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with reports, pile driving logs, materials testing, final inspection, environmental permit close out services, and underwater inspections.

Universal Marine Center, Fort Lauderdale, Florida. Component design and inspection for yachting facility on the South Fork of the New River. Structural design plans and construction administration for new steel sheet pile bulkhead with concrete batter piles, steel pipe mooring piles for floating docks, timber dolphin clusters. 125' LOA design vessel. Following the design, Jason served as special inspector and provided construction administration throughout the duration of construction.

Derecktor Megayacht Yard Travel Lift Piers, Dania Beach, Florida. Marine engineering services for the extension and relocation of existing travel lift piers located at the Derecktor shipyard. Designed pier extensions associated with 900-ton travel lift and new piers for relocation of a 200-ton travel lift. Managed the bidding process, assisted and made recommendations for contractor selection.

Sunset Harbour Yacht Club, Miami Beach, Florida. Repairs of concrete slabs, caps and piles for 125 slip yacht marinas. Environmental permit applications were prepared and processed with the Miami Dade County Regulatory and Economical Resources Department, Florida Department of Environmental Protection and US Army Corps of Engineers. Detailed repair drawings were prepared with specific criteria to minimize impacts to adjacent structures, including the removal and replacement of severely deteriorated deck slabs. Construction administration services were provided to review in accordance with construction documents and environmental permits.

Costa Brava Marina, Miami Beach, Florida. Costa Brava Condominium Association. Engineering support through construction bid management process, including bid evaluation, contractor selection and construction administration. Construction administration services included special inspector, review of change orders, review of contractor submittals, payment applications and material specifications. Coordinated with the contractor to keep the project on budget and schedule. Specifically, following construction initiation access to the Island was restricted due to an unexpected weight restriction on nearby bridges following unrelated damage. To resolve this, Cummins Cederberg coordinated with the City as well as the concrete supplier and obtained special permits specifically for the concrete trucks.

Bentley Bay Marina, Miami, Florida. Cummins Cederberg designed a new marina utilizing concrete piles, cap, and beams with grated decking, as required to allow for adequate light penetration to reach the submerged bottom supporting seagrass habitat. Design services also included material selection and coordination of utilities. Jason performed construction administration including bidding, inspections, field reports and permit close-out.

Haulover Marine Facility, North Miami Beach, Florida. Design and inspection of new bulkhead and platform construction to support launching operations for the world's largest marine forklift (lifting capacity 70,000 lbs.). Dry dock storage has a 508-boat capacity. Steel sheet piles and concrete auger piles were used in the construction of the new bulkhead. Also performed design and inspection of a new trash facility with truck ramp, supported by perimeter cantilevered concrete retaining wall.

Island Gardens Mega Yacht Marina, Miami, Florida. Design and inspection of 1,000 linear feet of existing bulkhead replacement on the West shore of Watson Island at the Island Gardens Mega Yacht Marina. Bulkhead consisted of anchored steel sheet piling, and submerged Mediterranean mooring anchors, consisting of composite steel/auger piles connected with mooring chain, and mooring dolphins consisting of large-diameter steel pipe piles.

Blue Haven Marina, Providenciales, Turks & Caicos. Above and underwater inspection and condition assessment of the marina servicing up to 220-foot yachts including components such as floating dock units, connections, guide piling, mooring piles, dock hardware and fenders. The inspection was conducted to assess damage and impacts associated with Hurricanes Irma and Maria in 2017.

Marina Palms, North Miami Beach, Florida. Design and inspection of existing derelict marina replacement for new condominium development. New concrete fixed and floating docks with steel sheet pile seawall.



Mr. Mullin has 43 years of geotechnical engineering experience including water resources engineering including ports and harbors, dams and reservoirs. He has served as Chief Geotechnical Engineer on numerous projects for private and public clients including the South Florida Water Management District (SFWMD), United States Army Corps of Engineers (USACE) and Florida Department of Transportation (FDOT).

Mr. Mullin has also managed geotechnical engineering projects involving major high-rise towers, commercial buildings, power generating and industrial facilities, as well as transportation and landfill projects in Florida, Puerto Rico and the Caribbean.

He provides quality assurance and quality control; materials testing engineering services including soils, foundations, and geotechnical investigations; vibration monitoring; materials and systems testing; and structural and special assessments testing services.

His skills include foundation design and construction, backfilling, test programs, quality control testing procedures and documentation, installation and evaluation of geotechnical monitoring instrumentation, vibration monitoring and pile load testing. He provides quality assurance oversight; CEI documentation; construction surveillance, inspection and testing; and technical peer review.

PROFESSIONAL REGISTRATION AND CERTIFICATIONS

- Florida Professional Engineer, #43366, 1990

EDUCATION

- MS, Civil/Geotechnical Engineering, University of Illinois
- BS, Civil Engineering, University of Illinois

CAPABILITIES

- Water Resources Engineering
- Soils and Foundation Engineering
- Civil and Major Earthworks Engineering Design
- Civil Construction Management
- Geotechnical Instrumentation and Monitoring
- Groundwater Hydrogeology
- Construction Quality Control Testing and Inspection Oversight
- Peer Reviews

REPRESENTATIVE EXPERIENCE

G420 and 422 Pump Station Canal Sediment Probing and Inlet Conveyance Flow Modification Designs, Palm Beach County, FL

Geotechnical Engineering Design and Testing Services.

C-43 Reservoir Early Start, Palm Beach County, FL

Geotechnical Engineering and Testing Services.

S9 & S9A New Bridge/Trash Rake Design and Misc. Pump Station Refurbishments

Geotechnical Investigations, Engineering Design and Construction Material Testing Services.

Port of Miami Dodge Island Facilities, FDOT District 4, FL. Chief Geotechnical Engineer - Peer Reviews of tunnel, support of excavation and ancillary facility and roadway designs for the Dodge Island side of the Miami Tunnel project. Peer reviews and checks of Concessionaire design reports, drawings and backup detailed calculations for all project geotechnical related items and associated structural designs. Designs reviewed and checking included excavation support systems, tremie seal designs and uplift stability and roadway and bridge foundation support designs including redundant and non-redundant drilled shaft systems.

Professional Resume - Kenneth C. Jackson, P.S.M.

Title: President

Contract Assignment: Director of Surveying

Education:

Palm Beach Community College,
Land Surveying

Registration:

Licensed Professional Land Surveyor, Florida, 1988

Continuing Education:

Florida Minimum Technical Standards
Florida Laws, surveying and mapping
Mean High Water Determination

Professional Experience:

For forty-two (42) years of experience in the surveying and mapping industry with specific expertise in hydrographic and remote sensing surveys, large scale wave current and tide studies, topographic surveying, boundary surveying and geodetic control surveying. Mr. Jackson has been involved with numerous large-scale mapping projects encompassing beach and nearshore surveys, citywide canal systems bathymetric surveys, dredging projects encompassing pre and post-conditions dredge surveys, charting and volumetric evaluations. His experience also includes remote sensing surveys such as side scan sonar, magnetometer and sub-bottom profile surveys. For underwater investigations, Mr. Jackson is a certified Nitrox Diver, participating in underwater video and inspections, underwater mapping for environmental projects, tide/wave/ current investigations, and various other diver-assisted surveys.

Corporate Experience:

Terraquatic, Inc. – Surveying & Mapping President & Director of Surveying

2014 - Present

- For over five years Mr. Jackson has been not only the president of Terraquatic, Inc. and responsible for managing and conducting normal business functions but is still actively involved in all field surveys either directly or over seeing specific projects.
- The specific survey he performs on a normal basis, include but are not limited to, bathymetric surveys both single beam and multibeam, remote sensing survey and investigations such as side scan sonar, magnetometer and geotechnical investigations, related to sediment thickness and sampling for classification of soils.
- The client base at Terraquatic, Inc. covers a wide array of private dredging firms, government agencies, coastal engineering firms and home owner associations and private home owners.

Locations:

Mr Jackson not only has experience working throughout the entire state of Florida but also in the following locations:

- ✓ Bahamas, including fiber optic cable as-built surveys throughout over 18 individual islands.
- ✓ Turks & Caicos
- ✓ Haiti, five separate projects for cruise ports, port development and hurricane assessment surveys
- ✓ Dominican Republic two projects hurricane assessment and dredge survey for the Carnival Port built in 2016
- ✓ Puerto Rico, multiple projects for the USACE, San Juan Harbor, aerial target placement large scale mapping surveys and the re-alignment of the Rio De Manati in Barceloneta (river survey and city-wide mapping for flood protection)
- ✓ British and US Virgin Islands including, St Thomas, St. John's, Tortola, Virgin Gorda
- ✓ St Maarten. Cruise & Cargo Port monitoring surveys, port hurricane clearance bathymetric and remote sensing surveys.
- ✓ St. Kitts, Nevis & Antigua, dredging projects for shipping and cruise ports
- ✓ Panama, 1999 aerial mapping for new canal design coast to coast aerial target placement and geodetic control survey.
- ✓ Roatan Honduras, cruise port development and private cable surveys
- ✓ Maracaibo, Venezuela, oil spill survey assessment on behalf of Lloyd's of London Insurance.
- ✓ French Guyana, Cayenne, route survey near the mouth of the amazon river for a fiber optic cable design.



Experience of Firm

Experience of Firm

Summary of relevant project matrix is listed below, with full descriptions on the following pages.

Name	1. Seahaven Superyacht Marina
Description	See page 28
Construction Cost	\$10M
Contact Information	Ray Graziotto; 561-625-9443; Raymond@SKHOLDINGS.com
Scope	See page 28
Contract Fees	\$68,000
Length	2 years
Completion	On time and budget

Name	2. Lake Worth Inlet Flood Shoal Dredging
Description	See page 29
Construction Cost	Estimated \$3M
Contact Information	Alyssa Freeman; 561-863-0012; alyssa@marinepbc.org
Scope	See page 29
Contract Fees	\$201,260
Length	2 years
Completion	On time and budget

Name	3. Bentley Bay Marina
Description	See page 30
Construction Cost	\$1.2M
Contact Information	Scott Robins; 305-674-0600; scott@robinscompanies.com
Scope	See page 30
Contract Fees	\$52,000
Length	4 years
Completion	On time and budget

Name	4. Dinner Key Marina
Description	See page 31
Construction Cost	\$22M
Contact Information	Robert Fenton; 305-416-1002; rfenton@miamigov.com
Scope	See page 31
Contract Fees	\$800,000
Length	Ongoing
Completion	Ongoing

Name	5. Sunset Harbour Yacht Club
Description	See page 32
Construction Cost	\$1.1M
Contact Information	Doug Mason; 305-962-3766; dmason@sunsetharbouryc.com
Scope	See page 32
Contract Fees	\$100,000
Length	1.5 years
Completion	On time and budget

1. Seahaven Superyacht Marina Dania Beach, Florida

Scope: Marine engineering, Engineer of Record, bulkhead design, load calculations, above and below water inspection, construction administration



The Seahaven Marina is located upland of the Dania Cut-Off Canal and was excavated to create a new marina basin connected to the canal. Cummins Cederberg currently serves as Engineer of Record and is providing construction support services.

Cummins Cederberg designed approximately 1,200 feet of new bulkhead for the deep-water yacht basin, consisting of steel sheet piling with concrete batter piles and reinforced concrete capping beam. Design criteria for a floating dock was also prepared including mooring loads anticipated by vessel size and wind speed.

Construction Administration services, including review of contractor payment, site observations with reports, pile driving logs, materials testing, final inspection, and environmental permit close out services are also being provided as this project nears completion.

Seahaven is Fort Lauderdale's premiere luxury protected harbor with 40-slips for superyachts up to 250 feet long and clubhouse facilities.

2. Lake Worth Inlet Flood Shoal Dredging Riviera Beach, Florida

Scope: Bathymetric survey, current measurements, marine resources survey, engineering plans, environmental permit application preparation, and processing, dredge design



Cummins Cederberg is providing coastal engineering and environmental consulting services for the Lake Worth Inlet Flood Shoal Dredging Project, located adjacent to the Port of Palm Beach, Peanut Island Park, and the Lake Worth Inlet. Cummins Cederberg designed the project, which consists of dredging a portion of the eastern perimeter and a center cut through the shoal to increase navigation and safety. The center cut will restore sediment deposition capacity in areas where sediment has historically deposited. As an additional benefit, it will increase access to the interior of the shoal and help reduce vessel density along the eastern and northern perimeters improving navigation and safety in the marked channels.

Responsibilities included bathymetric survey, current measurements, marine resource survey support, preparation of engineering plans, environmental permit application preparation and processing with the FDEP and the USACE, coordination and participation in public stakeholder meetings, and coastal engineering analysis.

The bathymetric survey and current data were used for coastal modeling and subsequent design. To better understand the highly complex dynamics of the flood shoal and evaluate effects post-dredging, a coastal analysis was performed. The components that were evaluated were general coastal processes (waves and tidal hydrodynamic), sediment characteristics, sediment transport patterns, infilling time and anticipated dredge frequency, and impact to the Intracoastal Waterway west of the Lake Worth Inlet flood shoal based on cross-sectional profile and potential slope adjustments as well as anticipated sand movement and deposition. The bathymetric survey also served as a basis for the dredge design, which was developed for reshaping of the flood shoal.

3. Bentley Bay Marina Miami Beach, Florida

Scope: Engineering design, environmental permitting, construction administration



Bentley Bay is located just north of the MacArthur Causeway, within the Biscayne Bay Aquatic Preserve and adjacent to sovereign submerged lands. As such, the site is subject to environmental regulatory challenges where new marinas are typically not allowed to be constructed.

Through research of submerged lands ownership and historical use at the site, as well as extensive negotiations with the regulatory agencies, environmental permits from USACE, FDEP, and Miami-Dade County DERM were secured for the new marina. In addition to the typical regulatory approvals, an FDEP Sovereign Submerged Lands (SSLL) lease and DERM Marina Operating Permit (MOP) were also secured.

Cummins Cederberg designed the marina utilizing concrete piles, cap, and beams with grated decking, as required to allow for adequate light penetration to reach the submerged bottom supporting seagrass habitat. Structural design of the docks relative to extreme conditions and vessel loads was conducted. Design services also included material selection and coordination of utilities. Construction administration was performed including bidding, inspections, field reports and permit close-out.

4. Dinner Key Marina Miami, Florida

Scope: Marine engineering, construction drawing development, environmental permitting, specialty inspections, construction support



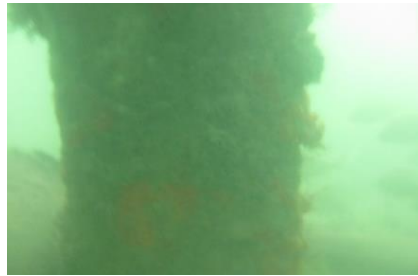
Dinner Key Marina is Florida's largest marina with 582-slips. Following Hurricane Irma, the marina suffered significant damage, impacting 60% of the dockage. Vessels were torn from their moorings and crashed into other vessels and the docks damaging all 9 piers.

Cummins Cederberg is the lead marine engineer for this \$22M design-build contract to restore the marina to operating condition with repair or replacement of fixed concrete and timber dock structures, a fire protection system, electrical service and lighting, sewage pump out, domestic water, and a communication /security system. Responsibilities include engineering and construction drawing development, municipal permitting, and construction services including specialty inspections, product documentation management, and active construction support.

A unique feature not in the original approach and value added by the design-build team in collaboration with the City was a crucial decision to raise the finger piers. This year's king tides showed record high water levels. The recently renovated piers experience no flooding, while the docks remaining to be renovated were under water.

5. Sunset Harbour Yacht Club Miami Beach, Florida

Scope: Above and below water inspection, engineering design, environmental permitting, construction administration



The Sunset Harbour Yacht Club is a luxury marina located in Miami Beach and is characterized with 125-slips, catering to vessels ranging from 45 to 150 feet in length. The marina consists of concrete slabs, piles, and caps, which had deteriorated.

Cummins Cederberg was retained to conduct an above and below water structural inspection of the existing dock components to ensure the dock could withstand the large loading associated the yachts. The Cummins Cederberg engineering team performed an in-depth inspection noting magnitude and location various defects observed.

As part of the team noted that an existing wave attenuation designed incorrectly further accelerated the deterioration, as incoming waves would reflect resulting in increased salt sprays to docks areas. Cummins Cederberg's staff is trained to not only identify the deterioration but also pinpoint the cause of the deterioration.

Based on the inspection findings, Cummins Cederberg performed engineering design of recommended repairs, and processed the proposed marine works through the environmental regulatory agencies (DERM, FDEP, and USACE).

In addition, Cummins Cederberg assisted with the bid solicitation process, marine contractor selection and construction administration. A Cummins Cederberg Senior Engineer stayed in close contact with the contractor's crew to ensure repairs were conducted correctly including removal and cleaning of deteriorated material as well as use of material for repairs. Construction was performed on time and within 10% of the original construction estimate developed by a Cummins Cederberg as part of the initial inspection.



Approach & Methodology

Today, more than ever, our waterfronts are relied upon as economic engines to sustain entire cities and metropolitan areas. Truly healthy waterfronts are those that succeed across many levels – financial, ecological, recreational, and more. The Cummins Cederberg team understands the goal of this project is to assist the City on a task order basis to ensure their marina is a top-rated, modern facility that can accommodate the current and future needs of the boating industry, as well as integrate and connect with the neighborhood.

The Cummins Cederberg team has considerable experience in marina planning, coastal engineering, marine structure inspection and design, public engagement, environmental permitting, ecological assessment, mitigation negotiation, and construction administration, making us exceptionally qualified to assist the City with marine and coastal engineering consulting services on a continuing basis in support of the Riviera Beach Marina. Our team understands that the marina may need updates to meet the demands of today's boaters, ensure resiliency to accommodate sea level rise, respond to damage from storm events, and require overall general consultation. For the last 11 years Cummins Cederberg has been providing quality marine and coastal engineering consulting services as prime to a range of public-sector clients including, but not limited to:

- ✓ Palm Beach County
- ✓ Miami-Dade County
- ✓ Town of Jupiter Island
- ✓ Marine Industries Association
- ✓ Town of Palm Beach
- ✓ City of Deerfield Beach
- ✓ City of West Palm Beach
- ✓ Village of Bal Harbour
- ✓ City of Marathon
- ✓ City of Miami Beach
- ✓ City of Flagler Beach
- ✓ City of Miami



Quality Control

Project oversight and quality control will be provided by Jannek Cederberg, PE, the QA/QC Officer dedicated to this Project. Cummins Cederberg has an established quality management process involving the project manager, designated QA/QC Officer, and task leads to provide ongoing oversight and a thorough review of all tasks and deliverables to ensure all work presented to the City is on time and accurate. QA/QC plans will be developed and strictly adhered to for each task order under this contract and will be coordinated with the City and the Cummins Cederberg team during task development and approval to ensure a streamlined, efficient process. The QA/QC plan will ensure the scope of work will:

1. Meet the intended use, purpose, and intent
2. Satisfy client expectations
3. Comply with project/industry-specific requirements, standards, and specifications
4. Meet budgetary and scheduling requirements

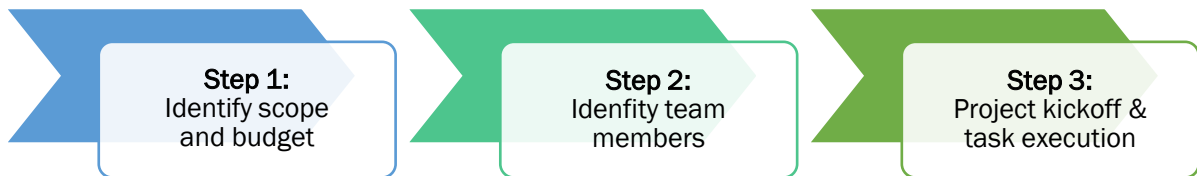
Throughout the design process, calculations, drawings, and other work products are reviewed internally for accuracy, as well as adherence to the Project scope, budget, and timeline. The intent of our QA/QC plan is to monitor all planning and design

documents in a consistent manner to provide the City with the deliverables they are expecting. Implementation of this QA/QC plan has become part of the culture of our team and is supported throughout our management structure.



Process/Methods for Successful Execution of Work on Public Projects

Our approach for successful execution of work orders will be implemented by our dynamic team of technical staff. Cummins Cederberg's experience permitting and designing coastal and marine projects, specifically marinas, will be applied to this RFQ. Our team of engineers has worked with public and private clients to provide "field to finish" services including design, preparation of construction documents (e.g., plans and technical specifications), bidding support, cost estimates, and construction administration. We understand the technical requirements of marina design in Florida where structures are subject to extreme storm events and sea level rise, as well as strict environmental regulations. We utilize a 3-step process during project kick-off to ensure team member roles are established and understood.



Step 1: Identify scope and budget. The first step will include early communication with the City to gain a full understanding of the scope of the project. We will work with the City to identify the project needs to develop the scope, staffing, and budget estimate for each task. Developing a full understanding of the needs of the project early on will help to avoid change orders as the project progresses.

Step 2: Identify team members: Upon approval of the project scope by the City, we will immediately coordinate with the team (e.g., engineering, environmental, survey, geotechnical) to select the necessary team members and staff to fulfill the requirements of each task. Our goal during this step is to identify the best suited personnel to address the task at hand, as well as to provide a highly responsive team that can conduct the requested work within the City's desired timeframe and budget.

Step 3: Project kickoff and task execution. Upon authorization to proceed, we will schedule a project kickoff meeting with the team to discuss the project assignment and to develop a scope of work for each subconsultant to clearly define the project objective, schedule, and expected deliverables. Effective channels of communication will be established, including points of contact, review, and procedures for feedback.



Professional Qualifications of Key Individuals

Cummins Cederberg will serve as the Prime consultant and overall Project Manager under this RFQ, with in-house experience and qualifications.

Jordon Cheifet, PE, CFM, *Project Manager*

With more than 15 years of experience, our team will be led by Jordon Cheifet, PE. Jordon will serve as the overall Project Manager and will lead all engineering tasks. He will maintain high-level contact with the City staff throughout the course of this contract, attend meetings and present project information as needed. Jordon is a senior coastal and marine with technical and project management experience, including coastal engineering, marina design, waterfront structural design, FEMA coastal floodplain mapping, shoreline restoration/stabilization design, and numerical modeling. His field experience includes underwater waterfront facility inspections, GIS/GPS data collection and analysis, surveying, and construction administration. He has designed and inspected waterfront facilities for multiple municipalities including the City of West Palm Beach, City of Deerfield Beach, City of Miami, Martin County, and City of Dania Beach. These projects include bulkheads, docks, jetties, revetments, marina facilities, and kayak/boat launch ramps.

Jannek Cederberg, PE, *Quality Control Officer*

Jannek is a senior coastal engineer with extensive experience in planning, designing, and permitting coastal and marine projects in South Florida. Jannek is formally trained as a civil engineer, specializing in coastal engineering from the Technical University of Denmark. He has more than 20 years of experience in marine field investigations, hydrodynamics, linear and nonlinear wave dynamics, sediment transport, hurricanes, numerical modeling, coastal structure design, sea level rise, environmental permitting, and infrastructure projects. He has also conducted hurricane modeling in Florida and throughout the Caribbean creating flood maps and determining base flood elevations. Jannek was a participating member of *PIANC Working Group 134 – “Design and Operational Guidelines for Superyacht Facilities”*. He has been involved in numerous marina and waterfront projects, all with the common goal of creating a functional environment with synergy between the water, marina, and upland facilities. Jannek has also managed several resiliency adaptation projects successfully navigating the clients desire to increase resiliency while maintaining a valuable waterfront.

Gina Chiello, *Lead Environmental Sciences & Permitting*

Gina oversees engineering and environmental permitting projects from start to finish, including all environmental fieldwork, environmental permit processing, and permit compliance. As a former reviewer with the FDEP, she has a strong background in the permitting of dune restoration, beach nourishment, inlet management and marina type projects, as well as environmental and land use regulations at the local, state, and federal levels. Gina also has extensive experience conducting marine resource surveys and performing fieldwork throughout South Florida, including hardbottom edge mapping, hardbottom monitoring and artificial reef monitoring in compliance with permit conditions for beaches and other coastal works projects. She is also experienced in coordinating and holding public outreach events and public workshops. She was instrumental in leading the environmental resources, permitting,

and stakeholder engagement scope items for the Lake Worth Inlet Dredging Design project. Gina is in the 2021 cohort of Leadership Palm Beach County.



Achievement of 15% Local Participation Goal

Cummins Cederberg agrees and acknowledges the City's effort to achieve a 15% local participation goal. We have enlisted the assistance of RADISE International for geotechnical engineering and materials testing, located within the City of Riviera Beach, and understand the needs of the local landscape. In addition, the entire team is located within Palm Beach County and is committed to a local participation goal.



Effective Budget Management

Controlling project costs starts well before the selected contractor begins work. Our approach to managing overall cost of the project is based on our experience with permitting, designing, and overseeing construction on coastal and marine projects, including marinas. We value engineer the project throughout the design phase rather than waiting until final design. By incorporating permitting requirements and considering construction methodology and logistics, we can ensure that the final project design and technical specifications optimize the City's budget. By implementing our QA/QC procedures throughout design, we reduce project soft costs (e.g., permitting, design, etc.). Cummins Cederberg also leverages the experience of our in-house staff of former marine and dredging contractors to influence project design to ensure that the final project does not encounter unexpected construction cost or schedule overruns due to site constraints or material selection. We also maintain a current database of construction costs based on recent bids for similar work, ensuring that our cost estimates are an accurate prediction of final project construction costs.



Stakeholder Engagement

We will provide stakeholder engagement designed to meet the needs of the boating community, marina businesses, marina village, other nearby businesses, and all other stakeholders within the project area. Consistent two-way communication builds the trust and awareness needed between the stakeholders, City staff, the City project manager, and our team.

Our two-way stakeholder communication strategy includes website content creation, direct mail, and social media. Collateral materials such as flyers, letters, update announcement, and social media postings will be utilized to invite stakeholders to public meetings and workshops, as well as bring awareness to project updates.

Cummins Cederberg will attend and setup meetings with the City Commission and City staff members, as well as coordinate public meetings. We will work with the City to determine suitable meeting locations, and assist with setup, meeting notes, collecting attendance information, gathering questions, and providing appropriate responses.



Availability of Firm

Cummins Cederberg will work closely with the City to ensure all schedules and budgets are met and meet the City's operational and administrative requirements. We are able and willing to commit and maintain sufficient staffing throughout the project. The applicability of the services offered in this contract are within our core services.

Workload

Our company workload allows us to quickly respond to the City's needs and our technical staff has the availability to service any task orders that may arise under this RFQ. Cummins Cederberg's experienced project management team allows us to efficiently manage current workload with new opportunities. Our project team's familiarity with the City's procurement and proposal procedures also allows us to effectively service both large and small task orders under this RFQ. We will service this RFQ from our fully staffed Palm Beach County office, with support from other nearby offices to allow rapid response to the City, regulatory agencies, and contractors who may be involved in projects under this RFQ.



**ON
TIME**



**ON
BUDGET**

Scheduling

To ensure schedules are met in accordance with the City's timeframe, a project schedule will be developed immediately upon the issuance of a notice to proceed from the City. Our Project Manager for this RFQ, Jordon Cheifet, PE, will be responsible for ensuring the overall schedule requirements for a project under this contract are met. Cummins Cederberg believes in having a strong Project Manager, as well as project management approach, where all lines of communication are funneled directly through the Project Manager. Jordon will be responsible for maintaining a thorough understanding of each project, to provide one point of contact to the City so project details can be effectively disseminated to the team.



**MEETS THE
CITY'S
NEEDS**



References

References

1. **Ray Graziotto**, President & COO
Seven Kings Holdings, Inc.
630 Maplewood Drive
Jupiter, FL 33458
561-625-9443; Raymond@SKHOLDINGS.com
2. **Robert Fenton**, Senior Project Manager
City Of Miami, Office of Capital Improvements
444 SW 2nd Ave., 8th Floor
Miami, FL, 33130
305-416-1002; rfenton@miamigov.com
3. **Scott Robins**, President
Robins Companies Real Estate Development
230 5th Street
Miami Beach, FL 33139
305-674-0600; scott@robinscompanies.com
4. **Eric Anderson**, Senior Environmental Analyst
Palm Beach County Environmental Resources Mgmt.
2300 North Jog Road, 4th Floor
West Palm Beach, FL 33411-2743
561-233-2514; EAnderson1@pbcgov.org
5. **Alyssa Freeman**, Executive Director
Marine Industries Association of Palm Beach County
1208 US Highway One, Suite B
North Palm Beach, FL 33408
561-863-0012; alyssa@marinepbc.org



Signed Forms

ADDENDUM PAGE

The undersigned acknowledges receipt of the following addenda to the Request to Qualify (indicate number and date of each):

Addendum No. 1 Dated 02/25/2021

Addendum No. 2 Dated 03/15/2021

Addendum No. _____ Dated _____

Addendum No. _____ Dated _____

Cummins Cederberg, Inc. _____

COMPANY


SIGNATURE _____

President _____

TITLE

NOTICE

ADDENDUM NO. ONE (1)

FEBRUARY 25, 2021

**CITY OF RIVIERA BEACH
RFQ NO. 1023-21-2
MARINE COASTAL ENGINEERING AND CONSULTING SERVICES**

TO ALL PROPOSERS ON THE ABOVE PROJECT: PLEASE NOTE CONTENTS HEREIN AND AFFIX (PASTE OR STAPLE) TO PROPOSAL DOCUMENTS YOU HAVE ON HAND.

The following statements supersede and supplant corresponding items in the above subject proposal as follows:

GENERAL INFORMATION:

SPECIFICATION:

PLANSHEETS:

- I. NOTICE: PLEASE SEE REQUIRED FORMS BELOW TO BE COMPLETED AND SUBMITTED WITH YOUR PROPOSAL.**

It will be required that Addendum No. 1 be signed in acknowledgment of receipt and that it be attached to the proposal when same is submitted at **3:00 p.m., Wednesday, March 24, 2021** at the office of the City Clerk, 600 W. Blue Heron Boulevard, Suite 140, Riviera Beach, Florida. For information on this RFQ, please contact:

Althea Pemsel, Director of Procurement
1481 West 15th Street
Riviera Beach, FL 33404
apemsel@rivierabeach.org

Cummins Cederberg, Inc.

NAME OF COMPANY

DATE: 3/23/2021


PROPOSER'S SIGNATURE



"The Best Waterfront City in Which to Live, Work and Play."

**CITY OF RIVIERA BEACH
ADDENDUM NO. 1**

TO: ALL PROPOSERS
FROM: CITY OF RIVIERA BEACH PROCUREMENT DEPARTMENT
SUBJECT: ADDENDUM NO. TWO (2) TO RFQ 1023-21-2, MARINE COASTAL ENGINEERING AND CONSULTING SERVICES
DATE: MARCH 15, 2021
CC: GENERAL PUBLIC

- A. NOTICE:** The purpose of this Addendum is to address Requests for Information (RFIs) and provide a written response. All other terms and conditions of the solicitation remain unchanged.

QUESTIONS AND ANSWERS:

1. 20-page limit – double or single sided? How are pages counted?

Answer: *The pages can be double sided; the intent is to limit the length of the response in order to obtain succinct responses.*

2. Does the 20-page limit include the tabs?

Answer: *No, the tabs are not counted as pages.*

3. Does the 20-page limit include the title page/TOC?

Answer: *No. The table of contents are excluded from the page count.*

4. Is the City currently working with a consultant on this type of work on the Marina? If so, with whom?

Answer: *The current Engineering Consultant is Sea Diversified, Inc.*

5. Regarding your recent RFP, Marine Coastal Engineering RFQ-RFQ 1023-21-2-0-2021/AP, I have been trying to locate the identity of the incumbent for your coastal engineering work, but have been unable to find the information on your website or through opportunity online vendors. Would it be possible to disclose the name of the company awarded earlier contracts?

Answer: *The current Engineering Consultant is Sea Diversified, Inc.*

6. Do you wish us to submit resumes? If so, are they in the 20-page count?

Answer: *Yes. They are a part of the 20 double-sided page count.*

7. For your local participation goal, what does 'local' mean? Does the City have specific goals for types of firms or professionals working on the project?

Answer: Local means firms within the City limits and Palm Beach County, our goal is 15%.

8. What is the primary driver for this RFQ? What does the City hope to achieve through this coastal engineering work?

Answer: *The City seeks to obtain engineering consulting services for on-going projects at the Marina.*

Addendum No. 2 must be signed as acknowledgment of receipt, and attached to the proposal when submitted at **3:00 p.m., Wednesday, March 24, 2021** at the Office of the City Clerk, 600 W. Blue Heron Boulevard, Suite 140, Riviera Beach, Florida, 33404. For information on this solicitation, please contact:

Althea Pemsel, Director of Procurement
1481 West 15th Street
Riviera Beach, FL 33404
apemsel@rivierabeach.org

Cummins Cederberg, Inc.

NAME OF COMPANY



PROPOSER'S SIGNATURE

03/32/2021

DATE

Jannek Cederberg

PROPOSER'S PRINTED NAME

BIDDER'S CERTIFICATION

I have carefully examined the Invitation to Bid, Instructions to Bidders, General and/or Special Conditions, Specifications, Bid Proposal and any other documents accompanying or made a part of this invitation.

I hereby propose to furnish the goods or services specified in the Invitation to Bid at the prices or rates quoted in my bid. I agree that my bid will remain firm for a period of up to ninety (90) days in order to allow the City adequate time to evaluate the bids. Furthermore, I agree to abide by all conditions of the bid.

I certify that all information contained in this bid is truthful to the best of my knowledge and belief. I further certify that I am duly authorized to submit this bid on behalf of the vendor / contractor as its act and deed and that the vendor / contractor is ready, willing and able to perform if awarded the bid.

I further certify that this bid is made without prior understanding, agreement, connection, discussion, or collusion with any person, firm or corporation submitting a bid for the same product or service; no officer, employee or agent of the CITY OF RIVIERA BEACH or of any other bidder interested in said bid; and that the undersigned executed this Bidder's Certification with full knowledge and understanding of the matters therein contained and was duly authorized to do so.

Cummins Cederberg, Inc.
NAME OF BUSINESS

jcederberg@CumminsCederberg.com
E-MAIL ADDRESS

BY:

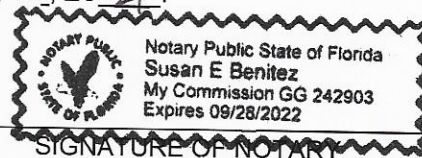

SIGNATURE OF AUTHORIZED OFFICER

Sworn to and subscribed before me this March 23
day of, 20 21.

Jannek Cederberg, President
PRINTED NAME AND TITLE

140 Intracoastal Pointe, Suite 208
MAILING ADDRESS

Jupiter, FL 33477



MY COMMISSION EXPIRES: 9/28/22



CITY, STATE, ZIP CODE

PERSONALLY KNOWN

561-210-9330

TELEPHONE NUMBER

OR PRODUCED

305-974-1969

FAX NUMBER

IDENTIFICATION _____

TYPE: _____

DRUG FREE WORKPLACE

Preference shall be given to businesses with drug-free workplace programs. Whenever two or more bids, which are equal with respect to price, quality, and service, are received by the State or by any political subdivision for the procurement of commodities or contractual services, a bid received from a business that certifies that it has implemented a drug-free workplace program shall be given preference in the award process. Established procedures for processing tie bids will be followed if none of the tied vendors have a drug-free workplace program. In order to have a drug-free workplace program, a business shall:

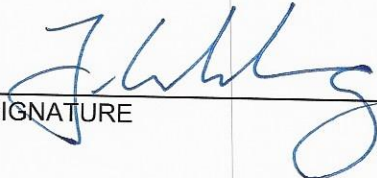
1. Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
2. Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations.
3. Give each employee engaged in providing the commodities or contractual services that are under bid a copy of the statement specified in subsection (1).
4. In the statement specified in subsection (1), notify the employees that, as a condition of working on the commodities or contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of chapter 893 or of any controlled substance law of the United States or any state for a violation occurring in the workplace no later than five (5) days after such conviction.
5. Impose a sanction on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community, by any employee who is so convicted.
6. Make a good faith effort to continue to maintain a drug-free workplace through implementation of this section.

As the person authorized to sign the statement, I certify that this form complies fully with the above requirements.

THIS CERTIFICATION is submitted by Jannek Cederberg the
(INDIVIDUAL'S NAME)

President of Cummins Cederberg, Inc.
(TITLE/POSITION WITH COMPANY/VENDOR) (NAME OF COMPANY/VENDOR)

who does hereby certify that said Company/Vendor has implemented a drug free workplace program which meets the requirements of Section 287.087, Florida Statutes, which are identified in numbers (1) through (6) above.


SIGNATURE

03/23/2021
DATE

CITY OF RIVIERA BEACH

NOTIFICATION OF PUBLIC ENTITY CRIMES LAW

Pursuant to Section 287.133, Florida Statutes (1995), you are hereby notified that a person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a bid on a contract to provide any goods or services to a public entity, may not submit a bid on a contract with a public entity for the construction or repair of a public building or public work, may not submit bids on leases or real property to a public entity, may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity, and may not transact business with any public entity in excess of the threshold amount provided in s. 287.017 [F.S.] for CATEGORY TWO [\$35,000.00] for a period of 36 months from the date of being placed on the convicted vendor list.

Acknowledged by:

Cummins Cederberg, Inc.

Firm Name



Signature

Jannek Cederberg, President

Name & Title (Print or Type)

2021 FLORIDA PROFIT CORPORATION ANNUAL REPORT

DOCUMENT# P10000023540

Entity Name: CUMMINS CEDERBERG, INC.

Current Principal Place of Business:

7550 RED ROAD, SUITE 217
SOUTH MIAMI, FL 33143

Current Mailing Address:

7550 RED ROAD, SUITE 217
SOUTH MIAMI, FL 33143 US

FEI Number: 27-2129033

Certificate of Status Desired: Yes

Name and Address of Current Registered Agent:

CEDERBERG, JANNEK
7550 RED ROAD, SUITE 217
SOUTH MIAMI, FL 33143 US

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

Date

Officer/Director Detail :

Title	P	Title	VP
Name	CEDERBERG, JANNEK	Name	CUMMINS, JASON R.
Address	22476 SW 94 PL	Address	2212 SECOFFEE TERRACE
City-State-Zip:	CUTLER BAY FL 33190	City-State-Zip:	COCONUT GROVE FL 33133

I hereby certify that the information indicated on this report or supplemental report is true and accurate and that my electronic signature shall have the same legal effect as if made under oath; that I am an officer or director of the corporation or the receiver or trustee empowered to execute this report as required by Chapter 607, Florida Statutes; and that my name appears above, or on an attachment with all other like empowered.

SIGNATURE: JANNEK CEDERBERG

PRESIDENT

01/05/2021

Electronic Signature of Signing Officer/Director Detail

Date