



TOWN OF HILLSBORO BEACH
1210 Hillsboro Mile, Hillsboro Beach, Florida 33062
March 18, 2021 | 6:00 PM

SPECIAL COMMISSION MEETING

MAYOR DEBORAH L. TARRANT
VICE MAYOR IRENE KIRDAHY
COMMISSIONER VICKY FEAMAN
COMMISSIONER BARBARA BALDASARRE
COMMISSIONER ANDREW R. BROWN

TOWN MANAGER WILLIAM 'MAC' SERDA, ICMA-CM
TOWN ATTORNEY DONALD J. DOODY, ESQ
TOWN CLERK SHERRY D. HENDERSON, CMC

Special Town Commission Meeting - Joint Meeting with the City of Deerfield Beach

YOU ARE HEREBY NOTIFIED that a Special Town Commission Meeting will be held Thursday, March 18, 2021 at 6:00 P.M. This meeting is a joint meeting with the City of Deerfield Beach City Commission Relating to Request for Qualifications (RFQ) #21-15-JW for Coastal Engineering Services (Beach Nourishment). A quorum of the Town Commission will be physically present at the meeting. However, to ensure compliance with CDC recommendations for public safety, the meeting will utilize communications media technology with most Town staff participating via video conferencing. Join ZOOM Meeting. Call-in Number: (301) 715-8592 Meeting ID: 826 3733 4012# Passcode: 669250

CALL TO ORDER AND ROLL CALL

- A. City of Deerfield Beach City Commission
- B. Town of Hillsboro Beach Town Commission

MOMENT OF SILENCE AND PLEDGE OF ALLEGIANCE

APPROVAL OF AGENDA

- A. City of Deerfield Beach City Commission
- B. Town of Hillsboro Beach Town Commission

I. RESOLUTIONS & CONTRACTS

- A. Resolution 2021-16** A Resolution of the Town Commission of the Town of Hillsboro Beach, Florida, Approving the Ranking and Award of Request for Qualifications #21-15-JW For Coastal Engineering Services (Beach Nourishment); Authorizing the Town Manager to Negotiate an Agreement with the Most Qualified, Responsive and Responsible Proposer, Coastal Protection Engineering LLC, for a Three-Year Term with Two Additional One Year Renewal Terms; and Providing for an Effective Date.

- City of Deerfield Beach Staff Comments
- Town of Hillsboro Beach Staff Comments
- City of Deerfield Beach City Commission Comments
- Town of Hillsboro Beach Town Commission Comments
- Public Comments
- Additional Commission Comments
- Motion and Vote by City of Deerfield Beach City Commission
- Motion and Vote by Town of Hillsboro Beach City Commission

II. ADJOURNMENT

PLEASE TAKE NOTICE AND BE ADVISED that if any interested person desires to appeal any decision made by the Town Commission, Special Master or any other Boards or Commissions of the Town with respect to any matter considered at this meeting or hearing, such interested person will need a record of the proceedings and for such purpose may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based. The meeting/hearing may be continued from day to day, time to time, place to place, as may be found necessary during the aforesaid meeting. IN ACCORDANCE WITH THE PROVISIONS OF THE AMERICANS WITH DISABILITIES ACT (ADA) THIS DOCUMENT CAN BE MADE AVAILABLE IN AN ALTERNATE FORMAT (LARGE PRINT) UPON REQUEST AND SPECIAL ACCOMMODATIONS CAN BE PROVIDED UPON REQUEST WITH THREE (3) DAYS ADVANCE NOTICE. Please contact Sherry D. Henderson, Town Clerk at (954) 427-4011 Town Hall - 1210 Hillsboro Mile, Hillsboro Beach, FL 33062. Shenderson@townofhillsborobeach.com



TOWN OF HILLSBORO BEACH

1210 Hillsboro Mile
Hillsboro Beach, FL 33062

Phone: (954) 427-4011
www.townofhillsborobeach.com

Agenda Item Cover Memo

Agenda Item: Resolution 2021-16 A Resolution of the Town Commission of the Town of Hillsboro Beach, Florida, Approving the Ranking and Award of Request for Qualifications #21-15-JW For Coastal Engineering Services (Beach Nourishment); Authorizing the Town Manager to Negotiate an Agreement with the Most Qualified, Responsive and Responsible Proposer, Coastal Protection Engineering LLC, for a Three-Year Term with Two Additional One Year Renewal Terms; and Providing for an Effective Date.

- City of Deerfield Beach Staff Comments
- Town of Hillsboro Beach Staff Comments
- City of Deerfield Beach City Commission Comments
- Town of Hillsboro Beach Town Commission Comments
- Public Comments
- Additional Commission Comments
- Motion and Vote by City of Deerfield Beach City Commission
- Motion and Vote by Town of Hillsboro Beach City Commission

Submitting Dept: Town Clerk, Sherry D. Henderson, Town Clerk

Agenda Date: March 18, 2021

1. BACKGROUND/HISTORY

2. CURRENT ACTIVITY

2. FINANCIAL IMPACT

3. RECOMMENDATION



TOWN OF HILLSBORO BEACH

1210 Hillsboro Mile
Hillsboro Beach, FL 33062

Phone: (954) 427-4011
www.townofhillsborobeach.com

- ATTACHMENTS:**
1. Hillsboro Beach Agenda Cover Memo
 2. Deerfiled Beach Cover Memo
 3. 16 - Award RFQ #21-15-JW Joint Beach Nourishment w DFB
 4. Coastal Protection Engineering - Executive Summary



1210 Hillsboro Mile
Hillsboro Beach, FL 33062

TOWN OF HILLSBORO BEACH

Phone: (954) 427-4011
www.townofhillsborobeach.com

Agenda Item Cover Memo

Agenda Item: Recommendation of DFB/HB Joint Selection Committee to award to CSI for Coastal Engineering Services

Submitting Dept: Town Manager

Agenda Date: March 10, 2021

1. BACKGROUND / HISTORY

In October 2020 the City of Deerfield Beach and the Town reached a settlement agreement on their lawsuit regarding beach management practices. Included in the agreement was the stipulation that both jurisdictions would jointly select an engineering firm to represent the parties in designing and constructing beach nourishment projects.

2. CURRENT ACTIVITY

A Selection Committee comprised of two employees from Deerfield Beach, and two from Hillsboro Beach (Town Manager and Building Official) met to construct the scope of work, qualifications and selection criteria for the RFQ.

Three firms responded and the Selection Committee reviewed the proposals, and unanimously agreed on the proposed ranking:

1. Coastal Protection Engineering (CPE)
2. APTIM Engineering
3. Hurmiston & Moore

3. FINANCIAL IMPACT

The costs associated with engineering, design and construction of future beach nourishments will be funded via the utilization of outside sources of funding, where available, and general fund as needed.

4. RECOMMENDATION

Approval to accept the Selection Committee's recommended ranking and to authorize appropriate Town Staff to negotiate a contract for Commission approval.



Memorandum

TO: Chad Grecsek, Director of Sustainable Management
Mac Serda, Town Manager, Town of Hillsboro Beach

FROM: Jeremin Worlds, Senior Buyer

THRU: Ivelsa Guzman, Purchasing Manager

DATE: March 5, 2021

RE: **Coastal Engineering Services (Beach Nourishment), RFQ #21-15-JW**

The Purchasing and Contract Administration Division issued a Request for Qualifications for Coastal Engineering Services (Beach Nourishment, RFQ #21-15-JW on behalf of the City of Deerfield Beach and the Town of Hillsboro Beach. This formal competitive solicitation process complies with the City of Deerfield Beach and the Town of Hillsboro Beach procurement requirements. Details of the competitive solicitation process are as follows:

- The RFQ was advertised in the legal notices section of the Sun-Sentinel on January 15, 2021. The notice was also sent to one hundred and eighty-three (183) prospective Offeror's via the e-Procurement Marketplace.
- Eleven (11) vendors viewed the documents of the RFQ.
- On Tuesday, February 16, 2021 at 2:00 p.m. EST, the Purchasing and Contract Administration Division closed and unsealed three (3) responses. The responses were reviewed by the Purchasing and Contract Administration Division to ensure the responses met the RFQ requirements.
- Subsequently, each member of the joint evaluation committee assigned by the City of Deerfield Beach City Manager and the Town of Hillsboro Beach Town Manager received their evaluation packages that consisted of: evaluation committee policies and procedures and the evaluation sheets.
- Each evaluation committee member independently reviewed and scored the three (3) proposals in accordance with the weighted criteria stated in the RFQ prior to the initial public evaluation committee meeting held on Tuesday, February 23, 2021 at 10:00 a.m. EST. The Evaluation Committee consisted of: Chad Grecsek, Director of Sustainable Management; Patrick Bardes, Coastal and Waterway Coordinator; Mac Serda, Town Manager, Town of Hillsboro Beach; Steve Mitchell, Chief Building Official, Town of Hillsboro Beach.

- The proposals were evaluated based on the following weighted criteria:

<u>Criteria</u>	<u>Weight</u>
Qualifications and Experience (Primary Firm & Sub Consultants)	3
Understanding of the Project's Objectives and Goals	3
History and Past Performances of Similar Projects including References	2
Financial Stability	2
Willingness to Meet Time and Budget Requirements	1
Certified Minority Business Enterprise	1

- The proposals were ranked (After Joint Committee Members Independent Review) as follows:

Ranking Chart	Chad Grecsek	Patrick Bardes	Mac Serda	Steve Mitchell	Total	Ranking
Coastal Protection Engineering LLC	103.95 / ¹	101.85 / ¹	121.8 / ¹	110.25 / ¹	4	1
APTIM Environmental & Infrastructure, LLC	99.75 / ²	94.5 / ²	98.7 / ²	109.9 / ²	8	2
Humiston & Moore Engineers	98.7 / ³	88.2 / ³	92.4 / ³	78.75 / ³	12	3

- Also, all Proposers provided evidence for the Disadvantage Business Enterprise Program stated in the RFQ documents.
- As required per City Ordinance Section 38-142, the evaluation scores for all Proposers were adjusted upward by five percent (5%). The adjusted evaluation scores are reflected in the above ranking chart.
- After the Joint Committee Members Discussion of the Proposals the scores were not changed.
- Following the rankings, the joint evaluation committee concluded and was unanimous in their decision to make a recommendation to the Joint City Commission to approve the ranking and allow City Deerfield Beach staff and the Town of Hillsboro Beach staff to negotiate a contract with Coastal Protection Engineering LLC. If negotiation is unsuccessful with Coastal Protection Engineering LLC., the City Deerfield Beach staff and the Town of Hillsboro Beach staff reserve the right to negotiation with the next ranking Proposer.
- Reference checks were conducted on Coastal Protection Engineering LLC, and revealed positive rating.
- Documentation related to this solicitation may be obtained by emailing Sandra Francis at sfrancis@deerfield-beach.com. You may contact the Purchasing and Contract Administration Division at 954-480-4381 with any questions.

In summary, Coastal Protection Engineering LLC is the number one (1) ranked Offeror. Therefore, the Joint Evaluation Committee is recommending approval of the ranking with Coastal Protection Engineering LLC as the first ranked Proposer.

Please use this memorandum and all attachments as your backup to the City of Deerfield Beach City Manager and the Town of Hillsboro Beach Town Manager for the Joint Commission Meeting.

Att. Scope of Services

c: Patrick Bardes, Coastal & Waterway Coordinator
Steve Mitchell, Chief Building Official, Town of Hillsboro Beach.

SCOPE OF SERVICES

1. GENERAL INFORMATION

- a. For the purposes of this RFQ, the “Offeror” shall mean contractors, consultants, respondent, organizations, firms, or other persons submitting a response to this RFQ.

The “Successful Offerors” means the most qualified Offerors to whom the City begins negotiations.

The term “City” means the City of Deerfield Beach, a municipal corporation of the State of Florida.

The term “Town” means the Town of Hillsboro Beach, a municipal corporation of the State of Florida.

- b. This RFQ provides guidelines for the submission of qualifications in response to this solicitation for firms and individuals to provide the Scope of Services.
- c. The City and Town anticipate entering into a contract for the services with the most qualified Offeror(s) as determined jointly by the City and Town Commissions. The Offeror understands that this RFQ does not constitute an agreement or a contract with either entity. An official contract or agreement is not binding until the submission is reviewed and accepted by the City and Town Commissions and executed by all parties.
- d. Offeror hereby represents to the City and Town, with full knowledge that the City and Town are relying upon these representations when submitting a proposal, that Offeror has the professional expertise, appropriate permits and licenses, experience, and manpower to perform the services to be provided by the Successful Offerors.

2. SCOPE OF SERVICES

The City and Town are seeking qualified companies who will act on behalf of both municipalities in matters relating to the beach, coastal area, beach nourishment projects, including interacting with various governmental and regulatory organizations, advocating for issues on behalf of each, and monitoring issues, concerns and topics that may possibly affect both municipalities and their respective beaches. It is expected that the company(ies) will lead and guide both municipalities jointly through all aspects related to the management, reporting, and monitoring of the beach and related areas. This partnership will require the company to assume a leadership role by looking forward, and guiding the municipalities through all concerns likely to affect the regions’ marine and beach concerns. The company must be a proponent of regional sand management and have professional associations that will help keep each community aware of what other beach communities are adopting to address coastal challenges.

Additionally, the contractor(s) will be responsible for all aspects of future beach nourishment projects.

The beaches are located on the Atlantic coast in the City and the Town between Florida Department of Environmental Protection (“FDEP”) reference monument markers R1 – R12 in Broward County, FL.

Coastal Management Services may include, but will not be limited to:

- a. Design of coastal protection projects, including but not limited to, beach nourishment, storm protective and erosion control structures, and innovative technologies.
- b. Prepare construction cost estimates and assist in bidding processes, including pre- construction conferences. Procurement methods shall comply with Florida Statutes and applicable procurement guidelines.

- c. Perform construction management activities such as field observations, project oversight, construction progress meetings, contract administration, permit compliance, and monitoring for coastal projects.
- d. Provide permitting assistance for Broward County, State and Federal approval/authorization of coastal protection projects.
- e. Provide independent and impartial coastal engineering and environmental permitting consulting services on behalf of each jurisdiction.
- f. Perform coastal modeling for beach erosion, wave hydrodynamics, storm recession, shoreline change, and sediment transport, using the most advanced and diverse modeling suites available.
- g. Conduct and evaluate topographic and bathymetric surveying.
- h. Assist in establishing an Erosion Control Line ("ECL").
- i. Perform both offshore and upland sand search/geotechnical investigations.
- j. Perform biological monitoring of nearshore hardbottom and other marine resources as required based on environmental permits.
- k. Prepare construction cost estimates and assist in bidding processes, including pre- construction conferences.
- l. Develop or assist with annual FDEP and related funding requests on behalf of both parties.
- m. Provide public outreach assistance regarding coastal protection projects.
- n. Participate in City and Town Commission, Marine Advisory Board, and workshop meetings as deemed necessary by staff. The City and Town require the responsive firm to have locally available staff assigned to the contract from a local (tri-County) office.
- o. Assume responsibility of all aspects of a beach nourishment project related to erosion. Responsibilities will include design, procurement process, permit application/amendment, construction management, Federal Emergency Management Agency ("FEMA") reporting, FEMA claim tracking and reimbursement, and FEMA reporting and monitoring.
- p. Prepare and process funding requests from FEMA for Engineered Beaches and other entities. Assist the City and the Town with reimbursement requests and processing. Complete all funding (public assistance) requests, follow-up as needed, file reports and coordinate reimbursement.
- q. Provide emergency storm damage response.
- r. Provide capabilities for administering coastal data within Geographic Information Systems ("GIS")
- s. Perform all other coastal engineering, coastal resilience, environmental permitting/compliance duties, as deemed necessary by the City and Town.

Firms that have current contracts with adjacent (or nearby) municipalities and/or counties shall identify these contracts as indicated in the submission requirements.

RESOLUTION NO. 2021-16

A RESOLUTION OF THE TOWN COMMISSION OF THE TOWN OF HILLSBORO BEACH, FLORIDA, APPROVING THE RANKING AS RECOMMENDED BY THE SELECTION COMMITTEE AND AUTHORIZING THE PROPER TOWN OFFICIALS TO JOINTLY NEGOTIATE WITH THE CITY OF DEERFIELD BEACH AN AGREEMENT WITH THE TOP RANKED FIRM FOR COASTAL ENGINEERING SERVICES; PROVIDING FOR CONFLICTS; PROVIDING FOR SEVERABILITY; PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, the Town Commission deems it to be in the best interests of the Town to approve the ranking as recommended by the Selection Committee and authorize the proper Town officials to jointly negotiate with the City of Deerfield Beach an agreement with the top ranked firm for Coastal Engineering Services; and

NOW, THEREFORE, BE IT RESOLVED BY THE TOWN COMMISSION OF THE TOWN OF HILLSBORO BEACH, FLORIDA THAT:

SECTION 1. The foregoing "WHEREAS" clause is true and correct and hereby ratified and confirmed by the Town Commission.

SECTION 2. The Town Commission of the Town of Hillsboro Beach, Florida hereby approves the ranking as recommended by the Selection Committee and authorizes the proper Town officials to jointly negotiate with the City of Deerfield Beach an agreement with the top ranked firm for Coastal Engineering Services.

SECTION 3. The appropriate Town officials are authorized and directed to execute the necessary documents to comply with this Resolution.

SECTION 4. All Resolutions or parts of Resolutions in conflict herewith, be and the same are repealed to the extent of such conflict.

SECTION 5. If any clause, section or other part of this Resolution shall be held by any court of competent jurisdiction to be unconstitutional or invalid, such unconstitutional or invalid part shall be considered eliminated and will in no way affect the validity of the other provisions of this Resolution.

SECTION 6. This Resolution shall become effective immediately upon its passage and adoption.

1 **ADOPTED** by the Town Commission of the Town of Hillsboro Beach, Florida this
2 ____ day of _____ 2021.

3
4
5 **TOWN OF HILLSBORO BEACH, FLORIDA**

6
7 _____
8 Signature

9
10 _____, Mayor
11 Print

12
13 **ATTEST:**

14
15 _____
16 Sherry D. Henderson, CMC
17 Town Clerk
18

RESOLUTION NO. 2021-16

RECORD OF TOWN COMMISSION VOTE:

	<u>YES</u>	<u>NO</u>
BARBARA BALDASARRE	☐	☐
ANDREW BROWN	☐	☐
VICKEY FEAMAN	☐	☐
IRENE KIRDAHY	☐	☐
DEBORAH L. TARRANT	☐	☐

1 Executive Summary

February 16, 2021

City of Deerfield Beach
Purchasing and Contract Administration Division
401 SW 4th Street
Deerfield Beach, Florida 33441

Subject: City of Deerfield Beach and Town of Hillsboro Beach, Coastal Engineering Services (Beach Nourishment), RFQ No. 21-15-JW (with Addendum 1)

Dear Selection Committee:

Coastal Protection Engineering LLC (CPE) welcomes this opportunity to submit our credentials to the City of Deerfield Beach (City) and the Town of Hillsboro Beach (Town) with the enclosed response to the Request for Qualifications (RFQ No. 21-15-JW, with Addendum 1) to provide Coastal Engineering Services (Beach Nourishment). CPE was formed in June 2019 by our principals Thomas Campbell, PE, Thomas Pierro PE, D.CE, and Lindino Benedet, PhD, for the direct purpose of serving coastal communities in Florida. Since then, we have grown to 20 staff and service Florida clients from our primary office in Boca Raton.

Our company was established as a forward-thinking coastal engineering firm comprised of industry leading professionals with strong credentials and years of extensive experience and coastal consulting continuity. We are dedicated to bringing a renewed focus on providing local government clients with highly specialized consulting services in support of projects that restore, manage, and protect coastal resources and infrastructure. Our office is located 15 minutes from the project area and is staffed by licensed professionals who have deep local knowledge and wide regional experience throughout Palm Beach and Broward counties. We are also certified by Palm Beach County as a Small Business Enterprise (SBE) specializing in coastal engineering, numerical modeling, environmental studies, biological monitoring, oceanography, marine geology, and GIS, which further affirms our credentials and expertise.

The professional staff of CPE have provided coastal engineering services in the past for both the City and the Town, along with several other east coast Florida clients including Broward County, the City of Delray Beach, the Town of Palm Beach, Palm Beach County, Martin County, and Indian River County on numerous coastal projects. This experience has provided us with a comprehensive understanding of the regional coastal processes, inlet programs, storm impacts, funding opportunities, intergovernmental coordination, and the environment that characterizes Florida's east coast.

Our broader experience extends around the state to the Gulf Coast and Panhandle, which further demonstrates our expertise in all aspects of coastal program management throughout Florida. As seasoned coastal professionals, our multidisciplinary team of engineers and coastal scientists has designed, permitted, administered construction, monitored, and managed coastal projects of all sizes.

CPE's expertise and knowledge of your coastal program is further supported by the relevant experience, depth of resources, and extensive capabilities provided by our subconsultants Moffatt & Nichol (M&N), Morgan & Eklund (M&E), CSA Ocean Sciences, Inc. (CSA), Sonographics, Inc. (Sonographics), Panamerican Consultants, Inc. (Panamerican), Amdrill, Inc. (Amdrill), and Athena Technologies, Inc. (Athena).

While CPE staff have been primarily servicing the City in recent years as trusted and valued coastal consultants, the staff of Moffatt & Nichol (M&N) have an equally longstanding and trusted relationship with the Town. M&N is a full-service consulting firm with unique experience and expertise to support the planning, permitting, and engineering services required for beach nourishment projects. Together, CPE and M&N comprise the ideal engineering team to lead the implementation of this unique joint coastal program with a balanced approach to serve the City and Town with complementary expertise.

To further support our engineering team, M&E will provide the topographic, bathymetric, and Erosion Control Line (ECL) surveys required to implement the program. We have also included Amdrill and Athena (a HUBZone-certified small business) to provide geotechnical services, and Sonographics and Panamerican to provide geophysical and cultural resource surveys, if needed, to support any sand search tasks required under this contract. Additionally, CSA will support our marine biologists to conduct biological monitoring and produce permit-required monitoring reports. Collectively, CPE and our selected specialized subconsultants make up **The CPE Team**.

The CPE Team offers all the professional coastal engineering services detailed in the Scope of Services of this RFQ and is ideally structured and credentialed to assist the City and Town jointly and efficiently. We routinely provide all these services as further described in this RFQ, including the following highlights:

- ✓ **Coastal engineering project design and reporting**
- ✓ **State and Federal regulatory permitting**
- ✓ **Construction documents and construction administration**
- ✓ **Physical and biological monitoring, mitigation, and reporting**
- ✓ **Topographic and bathymetric surveying and ECL establishment**
- ✓ **Offshore Sand Search/Geotechnical Investigations.**
- ✓ **State and Federal (U.S. Army Corps of Engineers and FEMA) funding**
- ✓ **Public outreach, community workshops, and board meetings**

The CPE Team's experienced, multidisciplinary technical staff has past and present experience, and are currently working with the City and the Town in multiple capacities. As a result, we have great institutional knowledge of your coastal environment, which will be applied to the upcoming coastal projects for the immediate betterment of the program and further refinement over time. CPE commits to provide the City and the Town access to all members of our team as needed, based on the task at hand and particular expertise required. The primary professionals selected as key staff for this work are all based in South Florida, including:

- **Thomas Pierro, PE, D.CE**, is a registered Professional Engineer in the State of Florida with nearly 20 years of coastal engineering experience. Recognizing the needs and challenges facing the City and the Town on this project, Mr. Pierro has committed to be the Senior Project Manager and Principal Engineer for this contract based on his proven success working with the City and neighboring communities in the past. In addition to solving many other complex coastal management issues around the State, Mr. Pierro has worked directly with City staff for well over a decade and brings a deep understanding of your program coupled with an established reputation with the Marine Advisory Board and City Commission. He is a Board Certified Professional by the American Society of Civil Engineers (ASCE) as an ACOPNE Diplomate of Coastal Engineering and recipient of the distinguished FSBPA Engineering Award for outstanding contributions to coastal engineering in the State of Florida.
- **Thomas Campbell, PE**, is a registered Professional Engineer in the State of Florida with over 43 years of coastal engineering experience. Mr. Campbell is considered a pioneer of beach nourishment and will serve as a key Program Advisor for regional planning, project concepts, and coastal engineering acumen for this contract. As a Principal and founding member of CPE, he brings unparalleled depth of knowledge and experience to the team with a keen technical understanding of the area and will direct engineering development, assist with identifying sand sources, and provide overall QA/QC for The CPE Team.
- **Tara Brenner, PE, PG**, has been selected as Project Manager to support Mr. Pierro in executing the City's task orders, including coordination with our subconsultants. Ms. Brenner holds the unique credential of being both a Professional Engineer and Professional Geologist with more than 12 years of experience in coastal engineering projects, including both federal and non-federal beach programs, truck haul projects, and resiliency studies. She not only brings a unique combination of credentials in engineering and geology, but excels in project management and public speaking, which will be an important asset to this project.
- **Lindino Benedet, PhD**, is a coastal scientist specializing in numerical modeling with nearly two decades of professional experience. Dr. Benedet was the first coastal scientist to utilize the advanced numerical model Delft3D to support the evaluation and design of coastal projects in the State of Florida and has participated in dozens of numerical modeling studies globally with his unique qualifications.
- **Stacy Buck, MS**, is a Senior Marine Biologist that specializes in projects on the east coast of Florida and has extensive experience conducting biological monitoring, with over 750 scientific dives in Broward County alone. She has facilitated permitting, including development of biological monitoring plans, for numerous coastal construction projects, including the mooring buoys off Deerfield Beach. Her proposed role in this contract will include environmental permitting, regulatory coordination, NEPA compliance, and biological monitoring.
- **Quin Robertson, PhD, GISP**, focuses on using conventional survey and remote sensing data to quantify change in coastal morphology and develop products using geographic information systems (GIS) for coastal analyses. Dr. Robertson specializes in working with multiple topographic and bathymetric data sets to create seamless digital elevation models (DEMs) that are critical for

accurate geomorphic change analysis and serve as the basis for scientific conclusions. He will lead tasks involving surveying, mapping, CAD, and GIS services for this contract.

- **Tim Blankenship, P.E.**, is a registered Professional Engineer in the State of Florida with 28 years of coastal engineering experience, specializing in beach nourishment, shoreline stabilization, numerical modeling, and mitigation design. Mr. Blankenship has been involved with permitting for the Town's coastal program for over 20 years, including time in previous employment. As Senior Coastal Engineer at M&N, he has managed the regulatory permitting and coastal engineering design for the Town's coastal program since 2016. Mr. Blankenship's knowledge of the Town's coastal program will benefit our team through his technical engineering review, permitting support, and management of physical monitoring reports under this contract.
- **Jackie Brower, PE, PhD**, is an experienced coastal engineer and research scientist with M&N, specializing in beach nourishment, coastal resiliency, water resources, and urban waterfront development. As a coastal engineer on the Town of Hillsboro Beach's waterfront and coastal program, Dr. Brower's experience designing, permitting, and administering construction for the Town's projects over the past 7 years will bring a distinct advantage to our team.

We are excited for the opportunity to demonstrate our dedication to the mutual needs of the City and the Town, for which we commit to serving with utmost responsibility, attention, and technical excellence. CPE commits to perform the work in accordance with the terms of the response being submitted and is willing to meet the City and the Town's location, budget, and task order requirements.

We are confident that our demonstrated experience and enclosed credentials will provide you with the assurance that The CPE Team can successfully provide requested professional consulting services under this contract with a high level of responsiveness and expertise. CPE's response is respectfully submitted subject to mutually agreeable contract terms and conditions.

If you have any questions pertaining to our submittal, please feel free to contact me directly. We are looking forward to the opportunity to work with the City of Deerfield Beach and the Town of Hillsboro Beach on this project.

Sincerely,



Thomas P. Pierro, PE, D.CE
Principal Engineer
Coastal Protection Engineering LLC
5301 N. Federal Hwy, Suite 335
Boca Raton, FL 33487

Mobile: 561-756-2535

Email: tpierro@coastalprotectioneng.com