

RESOLUTION NO. 2024 - 287

A RESOLUTION BY THE BOARD OF COUNTY COMMISSIONERS OF ST. JOHNS COUNTY, FLORIDA, AUTHORIZING THE COUNTY ADMINISTRATOR, OR DESIGNEE, TO AWARD RFQ NO: 1712R TO FIRST LINE COASTAL, LLC AS THE TOP RANKED FIRM AND TO EXECUTE A CONTRACT FOR COMPLETION OF THE WORK.

RECITALS

WHEREAS, sand placement volume is 610,000 cubic yards (about 22 cy/ft. on average). The County has, through the services of a coastal engineering consultant, already developed construction-level plans and specifications for the initial construction event. The beach fill template is non-uniform in the alongshore direction. The design calls for a dune with a crest width of 15 ft. and an elevation varying between 14 and 16.5 ft. NAVD alongshore, and a berm with a width varying between 30 and 40 ft. and an elevation varying between 10 and 12.5 ft. NAVD alongshore; and

WHEREAS, through the County's Formal RFQ process, First Line Coastal, LLC was identified as the highest ranked firm through evaluation of submitted qualifications and subsequent interviews in accordance with Section 287.055 Florida Statutes; and

WHEREAS, the County finds that issuing a contract for this work serves a public purpose; and

WHEREAS, the project will be funded by SJC Disaster recovery department and FEMA grant.

NOW, THEREFORE BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF ST. JOHNS COUNTY, FLORIDA, as follows:

Section 1. The above Recitals are incorporated by reference into the body of this Resolution and such Recitals are adopted as finds of fact.

Section 2. The County Administrator, or designee, is hereby authorized to RFQ NO. 1712R FEMA Category G - South Ponte Vedra Beach Dune Restoration Project Development, Design, Permitting, and Construction Administration Project to First Line Coastal, LLC as the top ranked firm based upon evaluation of qualifications.

Section 3. Additionally, upon approval by the Board, County Administrator, or designee, is hereby authorized to issue and execute a contract, in substantially the same form and format as attached, with First Line Coastal, LLC for completion of the Services, as negotiated for a not-to-exceed amount of \$575,734.21, and upon determination of the need for an alternate borrow area, an additional not-to-exceed amount of \$635,000.00, contingent upon appropriation of funds.

Section 4. To the extent that there are typographical and/or administrative errors that do not change the tone, tenor, or concept of this Resolution, then this Resolution may be revised without subsequent approval by the Board of County Commissioners.

PASSED AND ADOPTED by the Board of County Commissioners of St. Johns County, Florida, on this 16th day of July, 2024.

Rendition Date JUL 30 2024

BOARD OF COUNTY COMMISSIONERS OF ST. JOHNS COUNTY, FLORIDA

By: _____
Sarah S. Arnold, Chair

ATTEST: Brandon J. Patty,
Clerk of Circuit Court & Comptroller

By: Crystal Smith
Deputy Clerk





PROFESSIONAL SERVICES AGREEMENT
BETWEEN
ST. JOHNS COUNTY AND CONSULTANT

Professional Services Agreement No: 24-PSA-FIR-19978

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This Professional Services Agreement (hereafter "Agreement") is made this ___ day of _____, 2024 (the "Effective Date") by and between **ST. JOHNS COUNTY** ("County"), a political subdivision of the State of Florida, whose principal offices are located at 500 San Sebastian View, St. Augustine, FL 32084; and **First Line Coastal, LLC** ("Consultant"), a company authorized to do business in the State of Florida, with its principal offices located at: 8586 Potter Park Drive, Sarasota, Florida 34238, Phone: 941-320-0241, and E-mail: mstroik@firstlinecoastal.com for **RFQ NO. 1712R FEMA Category G - South Ponte Vedra Beach Dune Restoration Project Development, Design, Permitting, and Construction Administration**, hereinafter referred to as the "Project". Where referenced together, the County and Consultant shall collectively be referred to as the "Parties".

In consideration of the mutual promises and covenants contained herein, the Parties hereby agree as follows:

ARTICLE I CONTRACT DOCUMENTS

1.1 The Contract Documents

1.1.1 The Contract Documents are the documents that shall govern the performance of the Services by the Consultant, and consist of the following documents which are incorporated herein by reference:

- a) Fully Executed Amendments and/or Change Orders to this Agreement;
- b) This Professional Services Agreement and all Exhibits and/or Attachments hereto:
 - a. Exhibit A – Scope of Services
 - b. Exhibit B – Fee Schedule
- c) Insurance furnished by Consultant meeting the requirements of Article XIII;
- d) Request for Qualifications No. RFQ 1712R and all issued Addenda

1.1.2 Documents not enumerated above are not Contract Documents and do not form part of this Agreement. No terms, conditions, limitations, or exclusions in Consultant's proposal documents or invoices shall be binding upon the County and shall not become part of the Contract Documents. In the event of conflicts or discrepancies, the Contract Documents shall be interpreted in the order of precedence as listed above in Section 1.1.1. Additionally, the main body of this Agreement takes precedence over any of the Exhibits provided above unless expressly stated to the contrary.

1.1.3 Any and all Contract Documents shall remain the property of the County. Consultant is granted a limited license to use and reproduce applicable portions of the Contract Documents issued by the County appropriate to, and for use in, execution of the Services. Consultant shall have the right to keep one record set of the Contract Documents upon completion of the Services; provided, however, that in no event shall the Consultant, or the Consultant's sub-contractors use, or permit to be used, any or all of such Contract Documents on other projects without the specific written consent of the County.

1.1.4 Shop Drawings, Product Data, Samples, and similar submittals ("Submittals") are not Contract Documents. The County will review and take action upon Submittals but only for the limited purpose of checking for conformance with information given and the design concept expressed in the Contract Documents. Review of Submittals is not conducted for the purpose of determining accuracy and completeness of other details, such as dimensions and quantities, nor for substantiating instructions for installation or performance of equipment or systems, all of which remain the responsibility of the Consultant.

1.1.5 All Submittals (whether in hard or electronic copy) prepared by or on behalf of Consultant in the course of the Services shall be the exclusive property of the County. Ownership of any proprietary information or intellectual property contained in such Submittals shall remain with Consultant. Consultant grants the County a perpetual, royalty-free, license to use, copy, and allow third parties to use such Submittals and all proprietary information contained in them as may be required for the County's internal business purposes including without limitation, tendering, installing, operating, repairing, maintaining, modifying, reconstructing, replacing, and/or upgrading the equipment, systems, facilities, and/or appurtenances related to the Services. Such license shall be capable of transfer and/or sub-licensing in whole or in part without notice to or further consent of Consultant. Consultant shall not be held liable for reuse of Submittals by the County for purposes other than originally intended as stated in the Contract Documents.

1.1.6 Consultant shall perform no portion of the Services at any time without adequate Contract Documents, or as appropriate, approved Shop Drawings, Product D of Samples for such portion of the Services. If Consultant performs any portion of the Services where Consultant knows or should know such Services involve a recognized error, inconsistency, or

omission in the Contract Documents without notice to the Project Manager and the County, Consultant shall bear responsibility for such performance and shall bear the cost of correction. Consultant shall have a continuing duty to read, carefully study and compare each of the Contract Documents and the Submittals, to identify any inconsistency, ambiguity, error or omission which Consultant may discover with respect to these documents before proceeding with the affected Services. Consultant is solely responsible for requesting instructions, interpretations, or clarifications to the Contract Documents and is solely liable for any cost and/or expenses arising from its failure to do so. Any dispute relating to the Contract Documents shall be resolved through good faith efforts upon the part of the Consultant and the County. Should the Consultant have any questions concerning interpretation or clarification of the Contract Documents, Consultant shall submit to the Project Manager in writing a request for clarification that clearly and concisely sets forth the issues for which such request is sought. Such request shall be submitted to the Project Manager by the Consultant within three (3) business days of receipt of the Contract Documents, or the direction, interpretation, or clarification thereof provided by the County. The County's Project Manager will render a determination concerning such interpretation or clarification, which determination shall be considered final and conclusive unless Consultant files a written protest to the Project Manager's rendered determination within fourteen (14) calendar days of receipt thereof. Consultant's protest shall be submitted to the Purchasing Director, and shall state clearly and in detail the basis thereof. Failure by the Consultant to protest the Purchasing Director's determination within fourteen (14) calendar days shall constitute a waiver by Consultant of all its rights to further protest, judicial or otherwise. The County Administrator will consider the Consultant's protest and render its decision thereon, in writing, within ten (10) calendar days. If Consultant does not agree with the County Administrator's decision, Consultant shall deliver written notice to that effect to the County within three (3) business days of receipt of the County Administrator's decision.

1.1.7 Unless otherwise directed in writing, Consultant shall at all times carry on with the Services and maintain its progress schedule in accordance with the requirements of the Contract and the determination of the County, pending resolution of any Contract Document Dispute. In no event will a dispute, the filing of a protest, claim or appeal, or the resolution or litigation thereof, relieve Consultant from its obligations to timely perform the Services required by the Contract and to maintain the progress schedule in accordance with the Contract.

ARTICLE II AGREEMENT TERM

2.1 Term

This Agreement shall become effective upon the date of execution by all parties and shall be in effect for a period of twenty-six (26) calendar months ("Agreement Term"). Consultant shall perform the Services within the time periods specified in Exhibit B. Consultant's Services shall commence upon receipt of a written Notice to Proceed from the County. This Agreement may only be extended in whole or in part upon written Amendment signed by both Parties.

ARTICLE III DEFINITIONS

3.1 Definitions

Terms used within this Agreement shall have the meaning as set forth in the SJC Purchasing Policy, or as provided herein. Terms defined herein for specific application to this Agreement shall govern over definitions of terms provided in the SJC Purchasing Policy.

3.1.1 Acceptance of Work: Written acceptance of the Services by the County and the County's Project Manager.

3.1.2 Applicable Laws: All local, state, and federal laws, statutes, codes, ordinances, rules and regulations in effect at the time Services are performed under this Agreement.

3.1.3 Amendment: A document providing the written modification to a previously issued Contract, adding, revising, replacing, or removing terms and conditions or provisions of the Contract.

3.1.4 Claim: Any claim, liability, loss, demand, demand for arbitration, damage, lien, cause of action of any kind, obligation, responsibility, cost, expense, royalty, fee, assessment, penalty, fine, judgment, interest or award, pending or threatened, whether arising by law, contract, tort, voluntary settlement or otherwise.

3.1.5 Change Order: A document providing the written modification to a previously issued Contract, adjusting contract price, scope of work or completion time.

3.1.6 Compensation Method:

3.1.6.1 Lump Sum. Compensation may be determined as a lump sum amount. The lump sum amount shall constitute full payment for satisfactory performance of the Services including all direct and indirect labor, personnel related costs, taxes, expenses, costs, fees, overhead and profit, services of Subconsultants and/or subcontractors, and any other expense or cost of whatever nature incurred by Consultant as may be required and/or necessary to complete the Services and agreed to in writing by both parties to this Agreement.

3.1.6.2 Hourly Rate. Compensation may be determined as a Not-To-Exceed (NTE) amount. It is mutually understood and agreed that such compensation for Services satisfactorily performed will be made on the following hourly rate basis:

3.1.6.2(A) Actual Hours. Actual hours necessary, required, and expended by the Consultant's and/or Subconsultant's professional and technical personnel, shall be multiplied by the applicable hourly rates for each classification or position as set forth in Exhibit B (Consultant's Rate Sheet). The hourly rates shall constitute full payment for satisfactory performance of the Services including but not limited to all payroll costs and taxes, insurances, fees, overhead and profit, and any and all other costs or expenses of whatever nature incurred by Consultant except for Expenses approved in writing by the County pursuant to paragraph 3.1.6.2(B) below.

3.1.6.2(B) Reimbursable Expenses. In addition to the hourly rates, the Consultant shall also be reimbursed for travel and travel-related expenses, or other direct non-salary expenses directly attributable to the Services ("Expenses") provided such Expenses incurred by Consultant are approved in writing, in advance. Unless otherwise mutually agreed in writing in advance, any and all such Expenses shall comply with Section 112.061, Florida Statutes. The County shall not be liable for any such Expenses that have not been approved in writing in advance by the County. All requests for payment of such Expenses shall include copies of paid receipts, invoices, or other documentation acceptable the County. Consultant acknowledges and agrees that failure to furnish the required documentation may result in the County's denying all or part of the Expenses for which reimbursement is sought. Reimbursable Subconsultant expenses must also comply with the requirements of this section.

3.1.7 Consultant: The Supplier with which the County is contracting to perform the Services in accordance with the Contract Documents.

3.1.8 Contract Price: The sums set forth herein under Article VI, shall constitute the Contract Price, as may be amended by Change Order. Unless otherwise approved by the County in writing, the Contract Price includes all taxes, including without limitation, income and withholding tax of any kind and sales tax imposed by the State or by the County and paid by the Consultant or any subcontractors with respect to sales of goods purchased for the performance of the Services.

3.1.9 Contract Term: The number of calendar days between the Effective Date and completion of all Services, established in Article II of this Agreement, as may be amended by Change Order.

3.1.10 Force Majeure Events: Those events that are not reasonably foreseeable and are beyond the control of both the Consultant and the County, including acts of war, terrorist attacks, labor strikes, floods, earthquakes, epidemics, pandemics, riots, adverse weather conditions, and other acts of God.

3.1.11 Product Data: Illustrations, standard schedules, performance charts, instructions, brochures, diagrams and other information furnished by the Consultant to illustrate materials or equipment for some portions of the Project.

3.1.12 Project Manager: The County's representative assigned to the Project, or any part thereof, to observe the Services and perform certain other obligations of the County as defined in this Agreement.

3.1.13 Services: The work described in the Contract Documents or a subsequently issued Change Order including engineering services, architectural services and other professional services as applicable for the Project and procured under this Agreement.

3.1.14 Shop Drawings: Drawings, diagrams, schedules, and other data specifically issued for the Project by Consultant or

a sub-contractor, to illustrate some portion of the Project.

3.1.15 Sub-Contractor: Any entity or individual engaged by Consultant to provide Services to the County for which Consultant is contractually obligated, responsible, and liable to provide and perform under this Agreement.

ARTICLE IV SERVICES

4.1 Scope of Services

4.1.1 Consultant shall provide all Services as set forth in the Contract Documents, including all necessary, incidental, and related activities required for full and complete performance of this Agreement (the "Services").

4.1.2 Services provided by the Consultant shall be under the general direction of the St. Johns County Department requesting Services, or the St. Johns County Purchasing Division, who shall act as the County's representative during the performance of Services under this Agreement.

4.1.3 The Consultant shall provide and perform all Services pursuant to this Agreement in accordance with generally accepted standards of professional practice and in accordance with all Applicable Laws and the requirements of any applicable grant agreements.

4.1.4 The Consultant shall be responsible for the professional quality, technical adequacy and accuracy, timely completion, and the coordination of all data, studies, reports, memoranda, other documents and other services, and materials performed, provided, or furnished by the Consultant. The Consultant shall, without additional compensation, correct or revise any errors, omissions, or other deficiencies in such data, studies, and other services, and materials resulting from the negligent acts, errors, omissions, or intentional misconduct of the Consultant.

4.1.5 Review, approval, or acceptance by the County of data, studies, reports, memoranda, and incidental professional services, and materials furnished by the Consultant under this Agreement shall not relieve the Consultant of responsibility for the adequacy, completeness, and accuracy of its Services and materials. Neither the County's review, approval, or acceptance of, nor payment for, any part of the Consultant's Services, and materials shall be construed to operate as a waiver of any of the County's rights under this Agreement, or any cause of action it may have arising out of the performance of this Agreement.

ARTICLE V SCHEDULE

5.1 Schedule

5.1 Consultant shall perform the Services within the time periods specified in Exhibit A. Consultant's Services shall commence upon receipt of a written Notice to Proceed from the County.

5.2 If Services are scheduled to end due to the expiration of this Agreement, at the request of the County, Consultant agrees to continue to provide Services for an extension period defined by the County, upon the same terms and conditions as contained in this Agreement. The County will issue an Amendment or Change Order prior to the expiration of this Agreement authorizing any such extension period. Consultant shall be compensated for such Services at the rate in effect when the extension is invoked by the County.

ARTICLE VI COMPENSATION

6.1 General

The County agrees to pay and Consultant agrees to accept as compensation for the satisfactory performance of Phase 1 Services rendered pursuant to this Agreement, a not-to-exceed amount of **Five Hundred Seventy-Five Thousand Seven Hundred Thirty-Four dollars and Twenty-One cents (\$575,734.21)**. Payments made to Consultant pursuant to this Agreement shall be the sole and complete compensation to which Consultant is entitled.

6.1.1 An additional not-to-exceed amount of Six Hundred Thirty-Five Thousand dollars and Zero cents (\$635,000.00) may be compensated to Consultant upon County authorization of services necessary for completion of Task 1.5.1 as stated in Exhibit A. The Consultant shall not be entitled to any portion of this not-to-exceed amount until the County

6.2 Method of Payment

6.2.1 Compensation shall be based on the method of compensation as stated in Exhibit B, in accordance with the definitions provided herein under Article III, or as otherwise set forth in a mutually agreed Change Order or Amendment.

6.2.1.1 For lump sum items, Exhibit B shall contain a breakdown of the various elements of the Services comprising the lump sum items for the purpose of arriving at agreement on the basis for progress payments. Consultant shall submit invoices only after satisfactory completion and County approval of any Services, based on such mutually agreed lump sum breakdown.

6.2.1.2 For hourly rate-based items, Consultant shall be entitled to payment of compensation for Services satisfactorily performed based on the hourly rates set forth in Exhibit B subject to the NTE compensation amount identified therein. In no event shall Consultant be reimbursed in excess of the total NTE amount, unless the NTE amount has been modified in writing by a fully executed Change Order or Amendment to increase the specified amount.

6.2.2 It is expressly understood that Consultant is not entitled to the amount of compensation set forth in Exhibit B. Rather, Consultant's compensation is based upon Consultant's satisfactory completion of all Services and delivery of all work product and deliverables identified in the Contract Documents. No payment by the County shall be interpreted to constitute approval or acceptance of any Services, nor shall it be considered a waiver by Consultant of any of the terms of this Agreement.

6.2.3 On or before the tenth (10th) day of each calendar month, Consultant shall submit monthly invoices to the County for Services satisfactorily performed in the preceding month, along with such supporting documentation as the County may reasonably require. The County may prescribe the format of such invoice. In the event Consultant's supporting documentation is not adequate for the County to verify Consultant's invoice, the County will request additional documentation or information and the timeframe for payment will be extended accordingly. Payment by the County shall be made in compliance with the provisions of the Local Government Prompt Payment Act (Section 218.70, Florida Statutes, et seq.).

6.3 Withheld Payment

The County may decline to make payment, may withhold funds otherwise payable and, if necessary, may demand the return of some or all of the amounts previously paid to Consultant for any costs or expenses that the County incurs or reasonably expects to incur as a result of Consultant's failure to comply with the Contract Documents, this Agreement or as a result of Consultant's failure to pay Subconsultants.

6.4 Final Payment

Before being eligible for final payment of any amounts due, the Consultant shall deliver to the County all Work Product (as defined in Paragraph 7.1 below) prepared by and for the County under this Agreement. The Consultant shall clearly state "Final Invoice" on the Consultant's final/last billing to the County. This shall constitute Consultant's certification that all Services have been properly performed and all charges, costs and Expenses have been invoiced to the County. Any other charges, costs or Expenses not properly included on this Final Invoice are waived by Consultant.

6.5 Availability of Funds

The County's obligations under this Agreement are subject to the availability of lawfully appropriated County funds. While the County will make all reasonable efforts, in order to provide funds needed to perform under this Agreement, the County makes no express commitment to provide such funds in any given County Fiscal Year. Moreover, it is expressly noted that the Consultant cannot demand that the County provide any such funds in any given County Fiscal Year.

ARTICLE VII OWNERSHIP OF WORK PRODUCT AND CONFIDENTIALITY

7.1 Ownership of Work Product

All concepts, products, processes (patentable or otherwise) and copyrightable material (including but not limited to documents, specifications, calculations, maps, sketches, notes, reports, studies, proposals, data, models, samples, surveys, drawings, designs, electronic software, and any other results of the Work), first developed, produced or reduced to practice by Consultant or Subconsultant, or purchased under this Agreement, or at the County's expense ("Work Product"), shall be

and remains the County's property upon creation. At the County's request, Consultant shall provide the County with copies of supporting computations, analyses, sketches, or similar items pertaining to the Consultant's Work Product.

The Consultant may not reuse Work Product developed by Consultant for the County without the express written permission of the County. The County may, at its option, reproduce and reuse Work Product (in whole or in part) and Consultant agrees to such reuse in accordance with this provision. Any plans which the Consultant provides under this Agreement shall contain a statement that they are subject to reuse in accordance with the provisions of Section 287.055(10), Florida Statutes.

All covenants, agreements, representations and warranties made herein, or otherwise made in writing by any party pursuant hereto, including but not limited to, any representations made herein relating to disclosure or ownership of documents, shall survive the execution and delivery of this Agreement and the consummation of the transactions contemplated hereby.

7.2 Confidentiality

Subject to Chapter 119, Florida Statutes (Public Records Law), Consultant shall keep all information not in the public domain or not previously known, and all information and data obtained, developed, or supplied by the County, or at its expense, confidential. Such information shall not be disclosed to any other party, directly or indirectly, without the County's prior written consent, unless required by a lawful order.

ARTICLE VIII AUTHORIZED REPRESENTATIVE AND PERSONNEL

8.1 Authorized Representative

Prior to commencing Services, Consultant shall designate in writing a competent, authorized representative(s) acceptable to the County to represent and act for Consultant ("Authorized Representative"). Such Authorized Representative shall be authorized to receive and accept any and all communications from the County. All communications given to the Authorized Representative shall be binding upon Consultant. An Authorized Representative may be added, removed or changed upon prior written notice given in the manner provided in this Agreement.

8.2 Personnel

8.2.1 The Consultant represents that it has, or shall secure at its own expense, all necessary personnel required to perform the Services as described in the Contract Documents. It is expressly understood that such personnel shall not be employees of, or have any contractual relationship with, the County. All of the Services required hereunder shall be performed by the Consultant, or under its supervision.

8.2.2 In the event Consultant wishes to substitute personnel for the key personnel identified in Consultant's proposal and selection presentation, the Consultant shall notify the County in writing and request written approval for the substitution at least ten (10) business days prior to effecting such substitution.

ARTICLE IX SUB-CONTRACTORS

9.1 Sub-Contractors

9.1.1 Consultant may obtain the assistance of other design professionals, firms, and Suppliers ("Sub-Contractors") by subcontract for the performance of a portion of the Services, provided that any such Sub-Contractor shall perform its services to the standards set forth herein for Consultant's Services, and that Consultant obtains written approval of Sub-Contractor(s) from the County. The Consultant is encouraged to seek minority and women business enterprises for participation in subcontracting opportunities. The County hereby approves those Sub-Contractors specifically named by Consultant in Consultant's proposal.

9.1.2 The County reserves the right to disqualify any Sub-Contractor based upon unsatisfactory performance. If a Sub-Contractor fails to satisfactorily perform in accordance with the Contract Documents, and it is necessary to replace the Sub-Contractor to complete the Services in a timely fashion, the Consultant shall promptly do so, subject to approval by the County.

9.1.3 The use of any such Sub-Contractor shall not relieve the Consultant from any liability or responsibility assumed under this Agreement.

ARTICLE X CHANGES IN THE SERVICES

10.1 Changes in the Services

10.1.1 The County reserves the right to make changes to the Services, including alterations, reductions therein or additions thereto. Upon receipt by the Consultant of the County's notification of a contemplated change, the Consultant shall: (1) if requested by the County, provide an estimate for the increase or decrease in cost due to the contemplated change; (2) notify the County of any estimated change in the completion date; and (3) advise the County in writing if the contemplated change shall effect the Consultant's ability to meet the completion dates or schedules of this Agreement. If the County instructs in writing, the Consultant shall suspend work on that portion of the Project, pending the County's decision to proceed with the change. If the County elects to make the change, the County shall issue a Change Order. The Consultant shall not commence work on any such change until such Change Order has been issued and signed by each of the parties.

10.1.2 Consultant's written acceptance of a Change Order shall constitute a final and binding contract to the provisions thereof and a waiver of all claims in connection therewith, whether direct, indirect, or consequential in nature.

ARTICLE XI TERMINATION

11.1 TERMINATION

11.1.1 The County may terminate this Agreement, in whole or in part, for its convenience upon thirty (30) calendar days written notice to the Consultant. In such event, Consultant will be entitled to compensation for Services previously authorized and satisfactorily performed up through the date of termination identified in the County's notice. Consultant shall not be entitled to compensation or profit for Services not performed.

11.1.2 Consultant may terminate this Agreement for any reason upon sixty (60) calendar days written notice, provided that any outstanding authorized Services are completed by Consultant. Consultant further agrees to cooperate and provide assistance to the County upon request in order to complete any Service or Project. In such event, the County shall compensate Consultant at its hourly rates set forth in Exhibit B for Services provided after termination.

11.1.3 The County may terminate this Agreement, in whole or in part, for cause or default. In the event of the Consultant's default, the County shall issue a Notice of Default to the Consultant, articulating the items which the County finds to be in default of the Contract Documents. Consultant shall have ten (10) calendar days from the receipt of Notice of Default to remedy deficiencies, or submit, in writing, an acceptable plan for remedying the deficiencies identified in said notice. If Consultant fails to remedy such deficiencies, or to submit an acceptable plan for remedying such deficiencies, to the satisfaction of the County within the stated time period, the County shall issue a Notice of Termination, stating the date this Agreement shall be terminated for cause, and the County may take over and prosecute the Services to completion. In such case, Consultant shall be liable to the County for reasonable additional costs incurred by the County in completing the Services.

11.1.4 Upon receipt of a notice of termination, except as otherwise directed by the County in writing, the Consultant shall:

- (1) Stop Services work on the date and to the extent specified in the notice of termination;
- (2) Terminate and settle all orders and subcontracts relating to the performance of the terminated Services;
- (3) Transfer all Work Product, including work in process, and any other materials related to the terminated Services to the County; and
- (4) Continue and complete all parts of the Services that have not been terminated.

11.1.5 In the event Consultant changes names, merges with another company, becomes a subsidiary, or makes any other substantial change in structure or in principals, the County reserves the right to terminate this Agreement subject to the terms described above.

11.1.6 The rights and remedies of the County provided in this Section 11.1 are in addition to any other rights and remedies provided by law or under this Agreement.

ARTICLE XII WARRANTY, INDEMNITY, AND INFRINGEMENT

12.1 Warranty of Performance

12.1.1 The Consultant hereby represents and warrants that it is fully experienced and properly qualified, licensed, and financed to perform the Services under this Agreement and that it shall continue to maintain all licenses and approvals

required to conduct its business and that it shall conduct its business activities in a reputable manner at all times.

12.1.2 Consultant represents and warrants that it possesses the knowledge, skill, experience, and financial capability required to perform and provide all required and optional Services under this Agreement, and that each person and entity that will provide Services is duly qualified to perform such Services by all appropriate governmental authorities, where required, and is sufficiently experienced and skilled in the area(s) for which such person or entity will render such Services. Consultant represents and warrants that the Services shall be performed in a skillful and respectful manner, and that the quality of all such Services shall equal or exceed prevailing industry standards for the provision of such Services.

12.1.3 The Consultant represents that it has, or shall secure at its own expense, all necessary personnel required to perform the Services as noted in the Contract Documents. It is expressly understood that such personnel shall not be employees of, or have any contractual relationship with, the County. All of the Services required hereunder shall be performed by the Consultant, or under its supervision. All personnel engaged in performing the Services shall be fully qualified and, if required, authorized or permitted under federal, state and local law to perform such Services.

12.2 Indemnity

12.2.1 Consultant shall indemnify and hold harmless the County and its officers and employees (“Indemnified Party”), from liabilities, damages, losses and costs, including, but not limited to, reasonable attorney’s fees, to the extent caused by the negligence, recklessness, or intentionally wrongful conduct of Consultant or other persons employed or utilized by Consultant in the performance of this Agreement.

12.2.2 To the extent permitted by, and in accordance with Section 725.08 of the Florida Statutes, Consultant further agrees that “damages, losses and costs”, includes fines, citations, court judgments, insurance claims, restoration costs or other liability, to the extent caused by the negligence, recklessness, or intentionally wrongful conduct of Consultant and persons employed or utilized by Consultant in the performance of this Agreement.

12.2.3 To the extent permitted by, and in accordance with Section 725.08 of the Florida Statutes, for purposes of indemnity, the “persons employed or utilized by Contractor” shall be construed to include, but not be limited to, Consultant, its staff, employees, subconsultants, all deliverers, suppliers, furnishers of materials or services or anyone acting for, on behalf of, or at the request of Consultant.

12.2.4 This indemnification will not be valid in the instance where the loss is caused by the gross negligence, or willful, wanton or intentional misconduct of any Indemnified Party.

12.2.5 If any provision(s), or portion(s) of a provision(s) of this Section, or the application thereof to any person or circumstance shall, to any extent, be held to be invalid, illegal or unenforceable for any reason whatsoever, the validity, legality and enforceability of the remaining provision(s), or part of the provision(s), shall not in any way be affected or impaired thereby; and shall be interpreted to the fullest extent possible to be enforceable and to give effect to the intent manifested by the provision(s), or portion(s) thereof, held invalid, illegal or unenforceable.

12.3 Infringement

Consultant shall not infringe upon any patents, trademarks or copyrights (“Intellectual Property”) in performance of the Services. In the event that Consultant is alleged to have infringed upon such Intellectual Property, in addition to Consultant’s obligations under the Indemnity provisions in Section 12.2 above, Consultant shall, at the sole discretion of County and at Consultant’s sole expense: (i) procure for County the right to continue using the infringing subject matter; (ii) replace or modify the infringing subject matter so that it becomes non-infringing but still complies with the requirements of the Contract; or (iii) reimburse County for all payments made to Consultant relating to or impacted by the infringing material and all costs incurred by County resulting from such infringement.

ARTICLE XIII INSURANCE

13.1 Consultant’s Insurance Requirements

13.1.1 Consultant shall, at its sole expense, obtain and maintain the minimum insurance coverages stated herein. All insurance policies shall be satisfactory to the County and be issued by companies authorized and duly licensed to transact business in the State of Florida. Consultant shall furnish proof of insurance to the County prior to performance of Services. No Services shall commence until Consultant has obtained all insurance coverages required under this section. The

County will not make any payment to Consultant until Consultant has complied with the requirements of this Article XIII. Certificates of insurance shall clearly indicate Consultant has obtained insurance of the type, amount, and classification as required by this Agreement. Required insurance coverage shall be maintained in force, including coverage for Additional Insureds, for the duration of the Agreement and until all performance required by Consultant has been completed, as determined by the County. Consultant shall maintain insurance coverage against Claims relating to any act or omission by Consultant, its agents, representatives, employees, or Subconsultants in connection with this Agreement.

13.1.2 No less than ten (10) days written notice shall be provided to the County prior to cancellation, non-renewal or any material change of required insurance policies. Yearly renewal certificates shall be provided to the County within thirty (30) days of expiration of the current policy.

13.1.3 The types and amounts of insurance required under this Agreement do not in any way limit the liability of Consultant including under any warranty or indemnity provision of this Agreement or any other obligation whatsoever Consultant may have to the County or others. Nothing in this Agreement limits Consultant to the minimum required insurance coverages found in this Article XIII.

13.2 Additional Insured Endorsements and Certificate Holder

The term "Additional Insured", as used in this Agreement, shall mean St. John's County, its elected officials, officers, employees, agents and representatives. Certificates of insurance shall specifically name each Additional Insured for all policies of insurance except Workers' Compensation and Professional Liability. A copy of the endorsement showing the required coverages must accompany the certificate of insurance.

Certificate Holder Address: St. Johns County, a political subdivision of the State of Florida
500 San Sebastian View
St. Augustine, FL 32084
Attn: Purchasing

13.3 Workers Compensation

Consultant shall procure and maintain during the life of this Agreement, adequate Workers' Compensation Insurance in at least such amounts as is required by law for all of its employees per Chapter 440, FS. In claims against any person or entity indemnified under this Paragraph by an employee of the Consultant, a Subconsultant, any one directly or indirectly employed by them or anyone for whose acts they may be liable, the indemnification obligation under this Paragraph shall not be limited by a limitation on amount or type of damages, compensation or benefits payable by or for the Consultant or a Subconsultant under workers' compensation acts, disability benefits acts or other employee benefit acts.

13.4 Commercial General Liability

Consultant shall procure and maintain during the life of this Agreement, Comprehensive General Liability Insurance with minimum limits of \$1,000,000 per occurrence, \$2,000,000 aggregate, including bodily injury (including wrongful death), property damage, products, personal & advertising injury, and completed operations. This insurance must provide coverage for all Claims that may arise from the Services and/or operations completed under this Agreement, whether such Services or operations are by Consultant or anyone directly or indirectly employed by them. Such insurance(s) shall also be primary and non-contributory with regard to insurance carried by the Additional Insureds.

13.5 Automobile Liability

Consultant shall procure and maintain during the life of this Agreement, Comprehensive Automobile Liability Insurance with minimum limits of \$2,000,000 combined single limit for bodily injury and property damage liability and insuring liability arising out of or in any way related directly or indirectly to the ownership, maintenance or use of any owned, non-owned or rented/hired automobiles.

13.6 Professional Liability

13.6.1 Consultant shall procure and maintain, during the life of this Agreement, Professional Liability or Errors and Omissions Insurance with minimum limits of \$1,000,000, each claim and aggregate. Consultant shall maintain Professional Liability for a period of four (4) years, or upon expiration/termination of Professional Liability Coverage, shall obtain 4-year tail coverage with the same limits as provided herein. Consultant's professional liability policy should not have an exclusion for environmental compliance management or construction management professionals. Retroactive date shall not be later than the first date that design work commenced under this Agreement.

13.6.2 In the event that Consultant employs professional engineering or land surveyor services for performing field engineering or preparing design calculations, plans, and specifications, Consultant shall require the retained engineers and land surveyors to carry professional liability insurance with limits not less than \$1,000,000 each claim with respect to negligent acts, errors, or omissions in connection with professional services to be provided under this Contract.

13.7 Other Requirements

13.7.1 The required insurance limits identified in Sections 13.4 and 13.5, above may be satisfied by a combination of a primary policy and/or Umbrella or Excess Liability Insurance policy. Consultant shall require each lower-tier subconsultant to comply with all insurance requirements appropriate for its scope of Services, and any deficiency shall not relieve Consultant of its responsibility herein. Upon written request, Consultant shall provide County with copies of lower-tier subconsultant certificates of insurance.

13.7.2 Providing and maintaining adequate insurance coverage is a material obligation of Consultant. County has no obligation or duty to advise Consultant of any non-compliance with the insurance requirements contained in this Section. If Consultant fails to obtain and maintain all of the insurance coverages required herein, Consultant shall indemnify and hold harmless the Additional Insureds from and against any and all Claims that would have been covered by such insurance had Consultant complied with its obligations herein.

13.7.3 County reserves the right to adjust the above minimum insurance requirements or require additional insurance coverages to address other insurable hazards.

ARTICLE XIV GENERAL CONSIDERATIONS

14.1 Independent Contractor

Consultant shall act as an independent consultant and not as an employee, agent or servant of the County in performing all Services and activities under this Agreement. Consultant shall at all times and in all places maintain complete control over its employees and all of its Subconsultants. Nothing contained in this Agreement shall create any contractual relationship between any such Subconsultant and the County. Consultant shall perform all Services in accordance with the requirements of this Agreement and in accordance with its own means and methods subject to compliance with this Agreement. The Consultant does not have the power or authority to bind the County in any promise, agreement or representation other than specifically provided for in this Agreement.

14.2 Taxes

14.2.1 Consultant shall pay and be solely responsible for any and all taxes, levies, duties and assessments of every nature which may be applicable to any Services performed under this Agreement, including, without limitation, any tax that Consultant is required to deduct or withhold from any amount payable under this Agreement and shall make all payroll deductions and withholdings required by law. Consultant herein indemnifies and holds the County harmless from any liability on account of any and all such taxes, levies, duties and assessments. The indemnity provision of this Paragraph 14.2 shall survive the expiration or earlier termination of this Agreement. Consultant may not use County's tax-exempt status unless specifically authorized in writing in advance.

14.2.2 Foreign Entity Tax Withholding. Amounts due to certain foreign persons or entities may be subject to backup withholding taxes under federal law. If Consultant is a foreign person or entity that is required to complete Internal Revenue Service ("IRS") Form W-8ECI, Consultant shall provide County a copy of Consultant's current Form W-8ECI prior to issuance of any invoice or payment under this Agreement. If Consultant fails to timely provide a completed, current Form W-8ECI, County will withhold all backup withholding taxes from the amounts due Consultant, remit such sums to the IRS, and pay Consultant only the remainder. County makes no representation regarding the tax treatment of amounts due to Consultant, and Consultant releases and holds County harmless from any claims or damages in any way relating to or arising from any tax withholding by County pursuant to this section.

14.3 Publicity and Advertising

14.3.1 Consultant shall not make any announcement or release any information or publish any photographs concerning this Agreement, or the Services or any part thereof, to any member of the public, press or any official body, unless prior written consent is obtained from the County.

14.3.2 Use of the County Seal or County Logo is strictly prohibited. In accordance with, County Ordinance 92-2 and County Administrative Policy 101.3, Consultant may not manufacture, use, display, or otherwise use any facsimile or reproduction of the County Seal or Logo without express written approval of the Board of County Commissioners of St. Johns County, Florida.

14.4 Examination of Consultant's Records

The County or its authorized representative shall, for a minimum of five (5) years after expiration or termination of this Agreement (or until resolution of any audit findings, whichever is longer), have access to, and the right to examine any directly pertinent books, documents, papers and records of Consultant involving transactions relating to this Agreement, and to make copies, excerpts and transcriptions thereof. If any such examination reveals that Consultant has overstated any component price, Task Order, Change Order, Claim, or any other County payment obligation arising out of this Agreement, then Consultant shall, at the election of the County, either immediately reimburse to the County or offset against payments otherwise due Consultant, the overstated amount plus interest. The foregoing remedy shall be in addition to any other rights or remedies the County may have.

14.5 Governing Law & Venue

This Agreement shall be governed by the laws of the State of Florida. Venue for any administrative and/or legal action arising under the Agreement shall be St. Johns County, Florida.

14.6 Arbitration

The County shall not be obligated to arbitrate or permit any arbitration binding on the County under any of the Contract Documents or in connection with this Agreement in any manner whatsoever.

14.7 Disputes

14.7.1 If any dispute between the County and Consultant arises under this Agreement, and such dispute cannot be resolved by good faith negotiation at the field level between the County and Consultant's respective Project Managers, such dispute shall be promptly referred to Senior Representatives of the County User Department and Consultant's Project Team, who shall meet as soon as conveniently possible, but in no case later than fourteen (14) calendar days after such a request is made, to attempt to resolve such dispute or disagreement. Five (5) calendar days prior to any such meeting(s), the Parties will exchange relevant information that will assist the Parties in resolving the dispute or disagreement.

14.7.2 If after meeting, the Senior Representatives of the County User Department and Consultant's Project Team determine that the dispute or disagreement cannot be resolved on terms satisfactory to both Parties, the Consultant shall submit a Contract claim as provided herein.

14.7.3 Claims arising from this Agreement shall be filed with the Purchasing Director. Prior to filing a contract claim, Consultant shall first exhaust all remedies set forth in the Contract Documents. The Contract Claim must be submitted to the Purchasing Director within five (5) business days of exhausting all remedies set forth above. Pending final resolution of a dispute or claim, unless otherwise agreed in writing, the Consultant is required to proceed with performance of the Services and maintain effective progress to complete the Services within the Contract Term set forth herein. The contract claim shall include, at a minimum, the following:

- a) The name and address of the Consultant and any legal counsel; and
- b) The address to which the Purchasing Director should send their final decision; and
- c) Identification of the final adverse decision or document that is the subject of the contract claim; and
- d) Identification of the administrative remedies providing for in the contract that were pursued prior to the claim and the outcome; and
- e) A statement of the grounds for each issue to be reviewed and the applicable provisions of the Contract, as well as any applicable Laws, or other legal authorities which the Contract deems applicable to the claims; and
- f) A statement of the grounds for each issue raised in the contract claim; and
- g) A copy of the final adverse decision or document that is the subject of the claim and any exhibits, evidence or documents which the Consultant deems applicable to the issues raised in the claim.

14.7.4 During the Purchasing Director' review of the contract claim, the Purchasing Director may request additional information from either party. The Parties are to provide the Purchasing Director with the requested information within the

time period set forth in the request. Failure of any party to timely comply may result in resolution of the claim without consideration of the requested information.

14.7.5 The Purchasing Director shall render a decision on the Contract Claim within twenty-one (21) calendar days of receipt of all requested information. The written decision of the Purchasing Director shall be sent to the Consultant to the notice address listed herein or by such other means as agreed to by the Parties.

14.7.6 The decision for any contract claim by the Purchasing Director may be appealed by the Consultant to the County Administrator. Consultant must submit their appeal to the County Administrator, including any and all information, documentation, backup data, or other supplemental facts or figures within five (5) business days of receipt of the Assistant Director of Purchasing & Contract's decision. Failure of the Consultant to submit an appeal within the prescribed timeframe shall be a waiver of a right to appeal the rendered decision. The appeal shall include any and all information, documentation, and data relative to the Contract Claim and subsequent appeal. The County Administrator shall render a decision within thirty (30) calendar days of receipt of all information. The County Administrator's decision shall be considered final, unless Consultant takes further legal action in Circuit Court.

14.8 Assignment and Arrears

14.8.1 Neither the County nor the Consultant shall assign, transfer, or encumber its interest in this Agreement without the written consent of the other Party. Any assignment, transfer, encumbrance or subcontract in violation of this section shall be void and ineffective, constitute a breach of this Agreement, and permit the non-assigning Party to immediately terminate this Agreement, in addition to any other remedies available to the non-assigning Party at law or in equity. County reserves the right to condition its approval of any assignment, transfer, encumbrance, or subcontract upon further due diligence and an additional fee paid to the County to reasonably compensate it for the performance of any such due diligence.

14.8.2 The Consultant shall not pledge the County's credit, or make it a guarantor of payment, or surety for any contract, debt, obligation, judgment, lien, or any form of indebtedness. The Consultant further warrants and represents that it has no obligation or indebtedness that would impair its ability to fulfill the terms of this Agreement.

14.9 Severability

If a court deems any provision of the Agreement void, invalid or unenforceable, that provision shall be enforced only to the extent that it is not in violation of law or is not otherwise unenforceable and all other provisions shall remain in full force and effect.

14.10 Section Headings

The heading preceding the articles and sections herein are solely for convenience of reference and shall not constitute a part of this Agreement, or affect its meaning, construction or effect.

14.11 Disclaimer of Third-Party Beneficiaries

Both the County and the Consultant explicitly agree, and this Agreement explicitly states that no third-party beneficiary status or interest is conferred to, or inferred to, any other person or entity.

14.12 No Waiver; Course of Dealing

The delay or failure by the County to exercise or enforce any of its rights or remedies under this Agreement shall not constitute or be deemed a waiver of the County's right thereafter to enforce those rights or remedies, nor shall any single or partial exercise of any such right or remedy preclude any other or further exercise thereof or the exercise of any other right or remedy. The conduct of the parties to this Agreement after the Effective Date shall not be deemed a waiver or modification of this Agreement. In any action brought by either party for the enforcement of the obligations of the other party, the prevailing party shall be entitled to recover reasonable attorney's fees.

14.13 No Waiver of Sovereign Immunity

Nothing herein is intended to serve as a waiver of sovereign immunity by any agency or political subdivision to which sovereign immunity may be applicable or of any rights or limits to liability existing under Section 768.28, Florida Statutes. This section shall survive the termination of all performance and obligations under this Agreement and shall be fully binding until such time as any proceeding brought on account of this Agreement is barred by any applicable statute of limitations.

14.14 Conflict of Interest

14.14.1 The Consultant represents that it presently has no interest and shall acquire no interest, either directly or indirectly, which would conflict in any manner with the performance of Services required hereunder. The Consultant further represents that no person having any interest shall be employed for said performance.

14.14.2 The Consultant shall promptly notify the County in writing by certified mail of all potential conflicts of interest for any prospective business association, interest or other circumstance, which may influence or appear to influence the Consultant's judgment or quality of Services being provided hereunder. Such written notification shall identify the prospective business association, interest or circumstance, the nature of work that the Consultant may undertake and request an opinion of the County, whether such association, interest, or circumstance constitutes a conflict of interest if entered into by the Consultant.

14.14.3 The County agrees to notify the Consultant of its opinion by certified mail within 30 days of receipt of notification by the Consultant. If, in the opinion of the County, the prospective business association, interest or circumstance would not constitute a conflict of interest by the Consultant, the County shall so state in the notification and the Consultant

shall, at his/her option enter into said association, interest or circumstance and it shall be deemed not in conflict of interest with respect to Services provided to the County by the Consultant under the terms of this Agreement.

14.15 Execution in Counterparts

This Agreement may be executed in counterparts, each of which shall be an original document, and all of which together shall constitute a single instrument. The parties may deliver executed counterparts by e-mail transmission, which shall be binding. In the event this Agreement is executed through a County-approved electronic signature or online digital signature service (such as DocuSign), such execution shall be valid, effective and binding upon the party so executing. Execution and delivery of an executed counterpart of this Agreement and/or a signature page of this Agreement by electronic image scan transmission (such as a "pdf" file) or through a County approved electronic signature service will be valid and effective as delivery of a manually executed counterpart of this Agreement.

14.16 Entire Agreement

This Agreement, together with the Contract Documents for the Services, constitutes the entire Agreement between County and Consultant relating to the subject matter hereof and supersedes all prior or contemporaneous Contracts, negotiations, discussions and understandings, oral or written.

14.17 Modifications, Amendments, Waivers and Extensions

This Agreement may not be modified, amended, changed or supplemented, nor may any obligations hereunder be waived or extensions of time for performance granted, except by written instrument signed by Authorized Representatives of both parties. No waiver of any default or breach of any agreement or provision herein contained shall be deemed a waiver of any preceding or succeeding default or breach thereof or of any other agreement or provision herein contained. No extension of time for performance of any obligations or acts shall be deemed an extension of the time for performance of any other obligations or acts.

14.18 Survival

The provisions of the Contract Documents which by their nature survive termination of the Contract, including without limitation all warranties, indemnities, insurance, taxes, enforcement costs, payment obligations, and the County's right to audit Consultant's books and records, shall in all cases survive the expiration or earlier termination of this Agreement.

14.19 Convicted and Discriminatory Vendor Lists

Consultant warrants that neither it nor any Subconsultant is currently on the convicted vendor list or the discriminatory vendor list maintained pursuant to Sections 287.133 and 287.134 of the Florida Statutes, or on any similar list maintained by any other state or the federal government. Consultant shall immediately notify the County in writing if its ability to perform is compromised in any manner during the term of this Agreement.

14.20 Scrutinized Companies Lists

Section 287.135 of the Florida Statutes prohibits agencies from contracting with companies for goods or services that are on the Scrutinized Companies that Boycott Israel List, or with companies that are engaged in a boycott of Israel, and from contracting with companies for goods or services of \$1,000,000 or more that are on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or are

engaged in business operations in Cuba or Syria. The lists are created pursuant to §215.473 and §215.4725, F.S. By execution of this Agreement, Consultant certifies that it is not listed on the Scrutinized Companies that Boycott Israel List, the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, and is not engaged in a boycott of Israel or engaged in business operations in Cuba or Syria, and understands that pursuant to §287.135, F.S., the submission of a false certification may subject Consultant to civil penalties, attorney's fees, and/or costs. In accordance with §287.135, F.S., the County may terminate this Agreement if a false certification has been made, or the Consultant is subsequently placed on any of these lists, or engages in a boycott of Israel or is engaged in business operations in Cuba or Syria.

14.21 Employment Eligibility and Mandatory Use of E-Verify

As a condition precedent to entering into this Agreement, and in accordance with section 448.095, F.S., Consultant and its subconsultants shall register with and use the E-Verify system to verify the work authorization status of all employees hired on or after July 1, 2023.

a. Consultant shall require each of its subconsultants to provide Consultant with an affidavit stating that the subconsultant does not employ, contract with, or subcontract with an unauthorized alien. Consultant shall maintain a copy of such affidavit for the duration of this Agreement.

b. The County, Consultant, or any subconsultant who has a good faith belief that a person or entity with which it is contracting has knowingly violated section 448.09(1), F.S. or these provisions regarding employment eligibility shall terminate the contract with the person or entity.

c. The County, upon good faith belief that a subconsultant knowingly violated these provisions regarding employment eligibility, but Consultant otherwise complied, shall promptly notify Consultant and Consultant shall immediately terminate the contract with the subconsultant.

d. Consultant acknowledges that, in the event that the County terminates this Agreement for Consultant's breach of these provisions regarding employment eligibility, then Consultant may not be awarded a public contract for at least one (1) year after such termination. Consultant further acknowledges that Consultant is liable for any additional costs incurred by the County as a result of the County's termination of this Agreement for breach of these provisions regarding employment eligibility.

14.22 Nondiscrimination

The Consultant warrants and represents that all of its employees are treated equally during employment without regard to race, color, religion, political affiliation, disability, age, or sex (including sexual orientation and gender identity/expression) pregnancy, marital status or national origin (including limited English proficiency). Consultant shall include the foregoing or similar language in its contracts with any Subconsultants.

14.23 Drug Free Workplace

To the extent required under the Drug-Free Workplace Act (Chapter 112, Florida State Statutes), Consultant certifies that it has and will maintain a drug-free workplace program for the duration of this Agreement.

14.24 Public Records

14.24.1 To the extent Consultant is acting on behalf of the County, Consultant shall comply and shall require all of its subconsultants to comply with the State of Florida's Public Records Statute (Chapter 119), specifically to:

- (1) Keep and maintain public records that ordinarily and necessarily would be required by the County in order to perform the Services;
- (2) Upon request from the County's custodian of public records, provide the County with a copy of the requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost as provided in Chapter 119, Florida Statutes, or as otherwise provided by Applicable Law;
- (3) Ensure that public records related to this Agreement that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by Applicable Law for the duration of this Agreement and following expiration of this Agreement, or earlier termination thereof, if Consultant does not transfer the records to

the County; and

(4) Upon completion of this Agreement, or earlier termination thereof, transfer, at no cost, to the County all public records in possession of Consultant or keep and maintain for inspection and copying all public records required by the County to perform the Services.

14.24.2 If Consultant, upon expiration of this Agreement or earlier termination thereof: either i) transfers all public records to the County, Consultant shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements; and ii) keeps and maintains public records, Consultant shall meet all Applicable Law and requirements for retaining public records. All records stored electronically must be provided to the County, upon request from the County's custodian of public records, in a format that is compatible with the County's information technology systems.

14.24.3 Failure by Consultant to comply with the requirements of this section shall be grounds for immediate, unilateral termination of this Agreement by the County.

IF CONSULTANT HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO ITS DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS AGREEMENT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT: (904) 209-0805, PUBLICRECORDS@SJCFL.US, 500 SAN SEBASTIAN VIEW, ST. AUGUSTINE, FLORIDA 32084

14.25 Enforcement Costs

If any legal proceeding, lawsuit, or action is instituted in connection with any dispute, breach, default, misrepresentation or controversy arising out of this Agreement or the enforcement of any right hereunder, the prevailing party will be entitled to recover, in addition to actual costs, such sums as the court may adjudge reasonable as attorney fees, including fees on any appeal.

14.26 Contingency Fee

The Consultant warrants that it has not employed or retained any company or person, other than a bona fide employee working solely for the Consultant to solicit or secure this Agreement and that it has not paid or agreed to pay any person, company, corporation, individual, or firm, other than a bona fide employee working solely for the Consultant, any fee, commission, percentage, gift, or any other consideration contingent upon or resulting from the award or making of this Agreement. Failure by Consultant to comply with the requirements of this section shall be grounds for immediate, unilateral termination of this Agreement by the County.

14.27 Written Notice

Any and all notices, requests, consents, approvals, demands, determinations, instructions, and other forms of written communication ("Notices") under this Agreement shall be validly given when delivered as follows:

- i. Hand delivered to Consultant's Authorized Representative or hand delivered during normal business hours and addressed as shown below, or
- ii. Delivered by U.S. Mail, electronic mail, or commercial express carrier, (postage prepaid, delivery receipt requested), to the following addresses:

St. Johns County
500 San Sebastian View
St. Augustine, FL 32084
Attn: Attn: Jaime Locklear
Email Address: jlocklear@sjcfl.us

First Line Coastal
8586 Potter Park Drive
Sarasota, FL 34238
Attn: Mark Stroik
Email Address: mstroik@firstlinecoastal.com

With a copy to:

St. Johns County
Office of the County Attorney

500 San Sebastian View
St. Augustine, FL 32084
Email: jferguson@sjcfl.us

Notices shall be deemed to have been given on the date of delivery to the location listed above without regard to actual receipt by the named addressee. County and Consultant may each change the above addresses at any time upon prior written notice to the other party.

14.28 Non-Exclusive Right

Consultant has no exclusive right to provide the Services required within this Agreement. The County may at its sole discretion contract with others to perform the same duties or any part of the Services.

14.29 Truth-In-Negotiation Representation

By execution of this Agreement, Consultant hereby certifies that, in accordance with Florida Statutes, Section 287.055(5)(a), the wage rates and other factual unit costs supporting the compensation under this Agreement are accurate, complete and current as of the date of entering into this Agreement. The Parties agree that the County may adjust the original Agreement price and any additions thereto to exclude any significant sums by which the County determines the Agreement price was increased due to inaccurate, incomplete or noncurrent wage rates and other factual unit costs.

The authorized representatives hereto have executed this Agreement effective as of the Effective Date. Consultant's authorized representative executing this Agreement represents that he or she is duly authorized to execute this Agreement on behalf of Consultant.

County

St. Johns County (Seal)
(Typed Name)

By: _____
(Signature of Authorized Representative)

Jaime T. Locklear
(Printed Name)

Purchasing Director
(Title)

(Date of Execution)

ATTEST:
St. Johns County, FL
Clerk of Circuit Court and Comptroller

By: _____
(Deputy Clerk)

(Date of Execution)

Legally Sufficient:

(Office of County Attorney)

(Date of Execution)

Consultant

First Line Coastal, LLC (Seal)
(Typed Name)

By: _____
(Signature of Authorized Representative)

(Printed Name)

(Title)

(Date of Execution)

CONSULTANT'S FINAL RELEASE AND WAIVER OF LIEN

Owner: St. Johns County (hereafter "County")	County Department/Division:
Agreement No.:	Consultant Name: First Line Coastal, LLC
Project:	Consultant Address: 8586 Potter Park Drive Sarasota, Florida 34238
Project Address:	Consultant License No.:
Payment Amount:	Amount of Disputed Claims:

The undersigned has been paid in full for all Services provided to the Project or to the County and does hereby waive and release any notice of lien, any right to mechanic's lien, any bond right, any claim for payment and any rights under any similar ordinance, rule or statute related to a claim or payment rights the undersigned has on the above described Project, except for the payment of Disputed Claims, if any, described below.

The undersigned warrants that he or she either has already paid or will use the monies received from this final payment to promptly pay in full all of its Subconsultants or anyone else acting for, on behalf of, or at the request of Subconsultant for all Services provided for or to the above referenced Project.

Before any recipient of this document relies on it, the recipient should verify evidence of payment to the undersigned.

Disputed Claims: The following invoices, pay applications, retention, or extra Services are reserved by undersigned from this final payment (if there are no Disputed Claims enter "None"):

Signed this ___ day of _____, 20__

Consultant Name

By:

Signature

Printed Name

Title

NOTICE: THIS DOCUMENT WAIVES RIGHTS UNCONDITIONALLY AND STATES THAT YOU HAVE BEEN PAID FOR GIVING UP THOSE RIGHTS. THIS DOCUMENT IS ENFORCEABLE AGAINST YOU IF YOU SIGN IT TO THE EXTENT OF THE PAYMENT AMOUNT OR THE AMOUNT RECEIVED.



NOTICE OF INTENT TO AWARD

April 11, 2024

RFQ NO. 1712R FEMA Category G - South Ponte Vedra Beach Dune Restoration Project Development, Design, Permitting, and Construction Administration

St. Johns County hereby issues this Notice of Intent to Award a contract, upon successful negotiations, with First Line Coastal LLC, as the highest ranked firm, based upon evaluation of submitted Qualifications and subsequent presentations/interviews under RFQ NO. 1712R FEMA Category G - South Ponte Vedra Beach Dune Restoration Project Development, Design, Permitting, and Construction Administration

Any actual Bidder, Proposer or Supplier who is aggrieved in connection with the Notice of Intent to Award a Contract, where such grievance is asserted to be the result of a violation of the requirements of the St. Johns County Purchasing Policy and associated procedures, or any applicable provision of law by the officers, agents, or employees of the County, may file a Protest to the Assistant Director of Purchasing & Contracts. The Protest must be made in writing and filed by 4:00PM on the fifth business day following the date of the posting of the Notice of Intent to Award, and must be submitted in accordance with Section 13, SJC Purchasing Policy.

Should no Protest be received in response to this Notice, the County will proceed with negotiations, and upon successful negotiations, award of a Contract in accordance with SJC Purchasing Policy.

Please forward all correspondence, requests or inquiries directly to Sherrie Ashby, Procurement Coordinator, via email at sashby@sjcfl.us or phone at 904-209-0151.

Jaime Locklear, MPA, NIGP-CPP, CPPO, CPPB
Director, Purchasing & Contracts
jlocklear@sjcfl.us
(904) 209-0158 - Direct

Date: 4/11/24

**RFQ NO. 1712R FEMA Category G - South Ponte Vedra Beach Dune Restoration Project Development, Design, Permitting,
and Construction Administration**

COVER PAGE

**SUBMIT ONE (1) ORIGINAL HARD-COPY AND ONE (1) EXACT ELECTRONIC PDF COPY ON A USB DRIVE IN A SEALED
ENVELOPE OR CONTAINER TO:**

PURCHASING DIVISION
ST. JOHNS COUNTY, FL
500 SAN SEBASTIAN VIEW
ST. AUGUSTINE, FLORIDA 32084

FULL LEGAL NAME OF RESPONDENT: INTERA-GEC, LLC

MAILING ADDRESS: 446 3rd Street, Suite 7, Neptune Beach, FL 32266

POINT OF CONTACT NAME & TITLE: Michael Trudnak, Senior Coastal Engineer

POC EMAIL ADDRESS: mtrudnak@intera.com

POC PHONE NUMBER: 904-440-4697

DATE OF SUBMITTAL: 3/28/2024

March 27, 2024

St. Johns County Purchasing Division
 500 San Sebastian View
 St. Augustine, FL 32084

RE: SOQ for FEMA Category G - South Ponte Vedra Beach Dune Restoration Project Development, Design, Permitting, and Construction Administration (Response to RFQ No. 1712R)

Dear Ms. Ashby and Members of the Evaluation Committee,

INTERA-GEC, LLC (INTERA-GEC) is pleased to submit this Statement of Qualifications (SOQ) in response to St. Johns County's (County) Request for Qualifications (RFQ) for FEMA Category G - South Ponte Vedra Beach Dune Restoration Project Development, Design, Permitting, and Construction Administration. This SOQ will demonstrate that our team's capabilities and experience align directly with the services the County seeks. As per the RFQ instructions, please find the information requested about us, INTERA-GEC, LLC.

Full Legal Company Name and Type: INTERA-GEC, LLC is a limited liability company formed in the state of Texas. It is authorized to transact business in the state of Florida.

Physical and Mailing Addresses: 446 3rd Street, Suite 7, Neptune Beach, FL 32266.

Other Locations, Which May Perform Services: 2114 NW 40th Terrace, Suite A1, Gainesville, FL 32605; and 3625 20th Street, Vero Beach, FL 32960.

Primary Company Point of Contact Information: Michael Trudnak, PE; (904) 440-4697 (Mobile); mtrudnak@intera.com.

Secondary Point of Contact Information: Michael Krecic, PE; (904) 401-9573 (Mobile); mkrecic@intera.com.

Names and Titles of Principals, Partners, or Owners: Mark Gosselin, PhD, PE, Manager; Charles "Tem" Fontaine, PE, Manager.

Brief Statement of Company History: INTERA-GEC, LLC is a joint venture between INTERA and GEC — established in August 2020. INTERA maintains a 60% ownership and GEC a 40% ownership in the company. Established in 1974, INTERA has developed an international reputation as a multidisciplinary geosciences and engineering firm focused on support to develop, manage, and protect coastal, water, and environmental resources. GEC, established in 1986 as a small engineering consulting firm in Baton Rouge, Louisiana, has grown into a firm of national prominence. In December 2014, GEC acquired Coastal Technology Corporation (Coastal Tech), which was established in November 1984, and has since been continually engaged in coastal engineering in Florida. INTERA is a 100% employee-owned Texas corporation and GEC is a privately held corporation owned by Cary Goss. As an unpopulated LLC, INTERA-GEC does not have any full-time, permanent employees. Instead, the company "borrows" staff from INTERA and GEC to execute project work. INTERA and GEC currently have nearly 400 (INTERA — 237, GEC — 148) engineers, scientists, and support staff, including 12 Florida-based coastal engineers.

Brief Description of Business Philosophy: While many companies also offer technically sound solutions, we believe a company's technical experience and communication skills only comprise part of the equation to delivering successful solutions to our clients. Other important components include the ability of the company to deliver its technical solutions in a manner that meets projects' budgets and schedules. We accomplish this through the following core service philosophy. INTERA and GEC pride

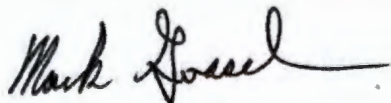
ourselves on addressing our clients' needs as if they were our own. **We treat all clients as partners.** We bring to all projects the insights and expertise we have gained from our work on thousands of projects—and a promise to do our best work on each client's behalf. Our service philosophy is based on working with clients, rather than just for clients, and to keep the client's interests in mind, ask for the client's input, keep our word, make our client's life easier, and provide honest, technically sound, and timely answers. While clients retain our services for a variety of reasons (e.g., to provide expertise not available through in-house resources), our approach to providing consulting services is based on our client having the final authority. We will deliver a project that meets, if not exceeds, the County's goals.

Brief Statement Regarding the Respondent's Interest in this Project: A corporate strategic plan governs our business focus and direction. As part of that plan, INTERA-GEC is actively pursuing clients in specific northeast Florida counties (Volusia, Flagler, St. Johns, and Duval) to provide professional services related to inlet management and beach restoration/nourishment. INTERA is actively engaged in related coastal engineering and environmental work throughout Florida and the southeastern U.S.; GEC is actively engaged in related coastal engineering and environmental work primarily from Florida to Texas and in California. This RFQ for South Ponte Vedra Beach Dune Restoration aligns with INTERA-GEC's experience, expertise, and business goals. The following supports our selection for this RFQ.

- **Location and Responsiveness:** INTERA-GEC's and Ardurra's, a key sub-consultant, northeast Florida presence, combined with a senior coastal engineer based in St. Augustine Beach, allows us to readily attend meetings in-person with County staff and visit project sites on short notice. Additionally, we strive to expeditiously respond to and anticipate county needs by promptly returning phone calls and emails and providing project updates.
- **Unmatched Local Knowledge:** INTERA-GEC's Michael Trudnak and Michael Krecic and Ardurra's Dr. Rajesh Srinivas have over 70 years of combined experience working on St. Johns County coastline covering Ponte Vedra Beach, South Ponte Vedra Beach, Vilano Beach, Porpoise Point, St. Augustine Inlet, Anastasia State Park, St. Augustine Beach, Butler Beach, Crescent Beach, Matanzas Inlet, and Summer Haven working for a variety of stakeholders including St. Johns County; Florida Department of Environmental Protection; Florida Department of Transportation; Florida Inland Navigation District; St. Augustine Port, Waterway, and Beach District; and U.S. Army Corps of Engineers.
- **Depth of Staff:** With our deep bench of 15 coastal engineers (including 12 Florida-based) and our team of highly qualified and experienced sub-consultants, we have the capacity to provide the county with a significant number of qualified experts and support staff as may be needed.
- **Proven Quality Management Processes:** Delivering high quality projects is a top priority for INTERA-GEC — favorably reflected by the long-term client relationships of INTERA and GEC. Notably, over 85% of INTERA's and GEC's business comes from repeat clients.

Should you have any questions regarding our SOQ, or require any additional information, please contact me or our designated Project Manager, Michael Trudnak, at 904-440-4697 or mtrudnak@intera.com.

Sincerely,



Mark Gosselin, PhD, PE
Manager
INTERA-GEC, LLC

Section 2: Company & Team Qualifications

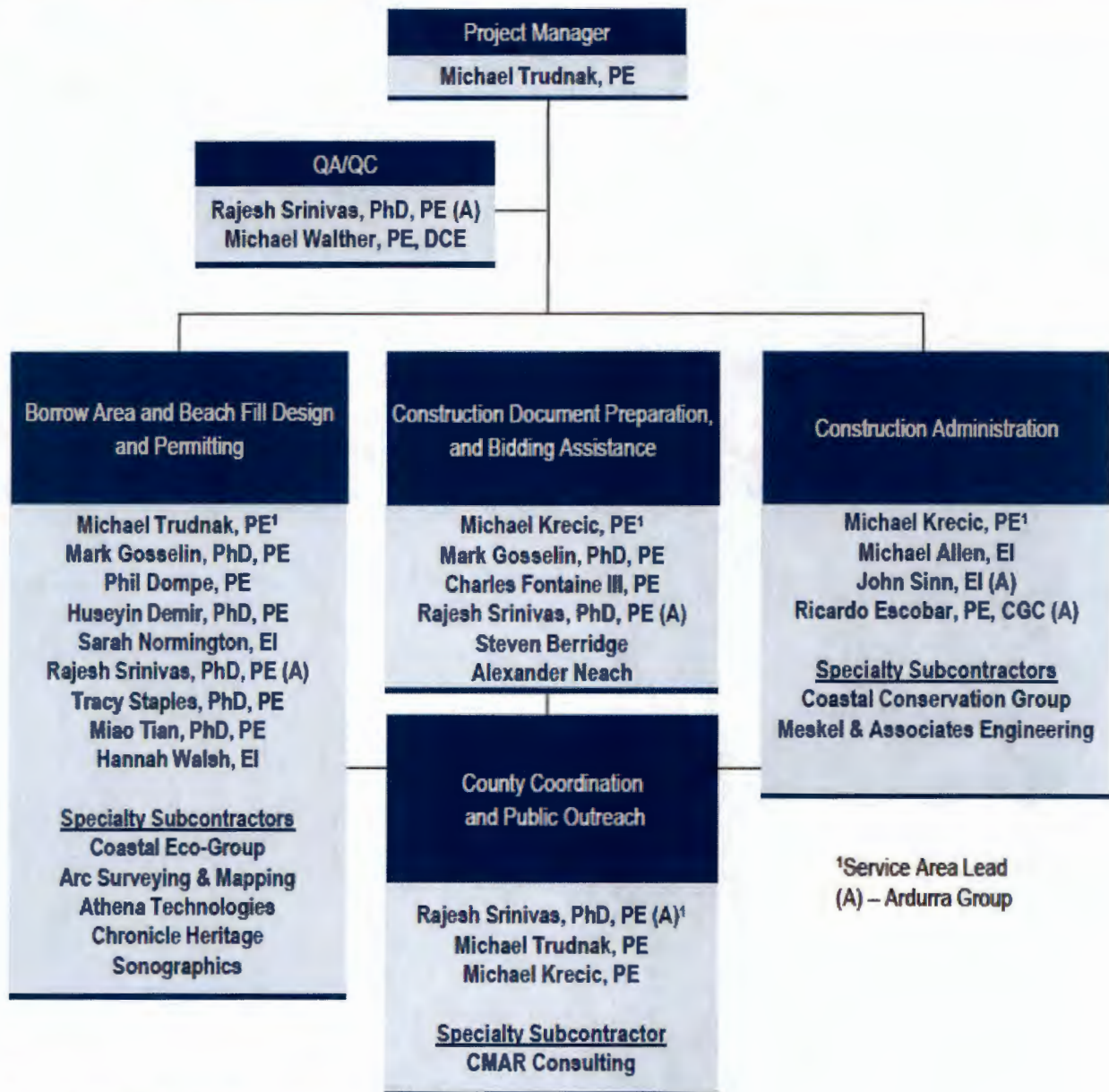
The INTERA-GEC Team offers the full spectrum of services outlined in the RFQ. Our team members have been working on various coastal engineering and coastal management project in St. Johns County since 1994. Thus, our team has a deep awareness of and long-term experience with the engineering, environmental, and societal challenges of the St. Johns County coast. We believe the depth and breadth of our experience is unmatched by our competition and will provide significant time and cost savings and better long-term outcomes to the County on the present project.

Figure 2.1 presents our project organization chart, which shows the proposed staff and sub-consultants. Table 2.1 indicates the experience in the eight coastal engineering service areas intimated in the RFQ of the key Team members that are expected to work on this project. Table 2.2 lists the sub-consultants that will support INTERA-GEC. The succeeding pages provide resumes of key personnel, followed by current licenses and certifications of INTERA-GEC Team members.

Notably, our sub-consultants include a key Team member, coastal engineer Dr. Rajesh Srinivas (Ardurra Group), plus eight other specialty sub-consultants. Ardurra Group brings extensive FEMA project experience, serving as the County's technical representative and subject matter expert for work related to emergency and permanent beach measures (Category B emergency berms and Category G beaches) following Hurricanes Matthew (2016), Irma (2017), Ian (2022), and Nicole (2022). After Michael and Irma, Ardurra Group worked with FEMA on the preliminary disaster assessments, identifying beach locations and developing estimates of sand volumes and costs countywide eligible for FEMA funding, and helped FEMA develop separate Environmental Assessments for (a) the placement of over 1,000,000 cubic yards of sand as emergency berms along 30 miles of county shoreline, and (b), at Summer Haven Beach, the reconstruction of Old A1A North and its protective revetment and a sand dune for the driving surface of Old A1A South. After Ian and Nicole, Dr. Srinivas conducted preliminary damage assessments, and developed all technical information for Category B emergency berms countywide and the Category G South Ponte Vedra Beach Dune Restoration Project. INTERA-GEC staff have a successful history of working with Dr. Srinivas for 15+ years as co-workers during prior employment.

The INTERA-GEC Team's familiarity with St. Johns County stems from our staff's local presence and work on numerous coastal engineering projects beginning with the St. Augustine Inlet Management Plan in 1994. Since then, staff have provided support as key personnel (i.e., Principal-in-Charge, Project Manager, Lead Coastal Engineer, Engineer-of-Record) for various nourishments of the St. Johns County Shore Protection Project, 2011 Summer Haven FEMA Emergency Berm Restoration Project and other Summer Haven beach management actions, design and permitting of the 2022 South Ponte Vedra Beach Dune Restoration Project, Reconnaissance Phase Sand Source Investigation for the Ponte Vedra Beach Restoration Project, and South Ponte Vedra Park Dune Restoration Project, among others. Our experience, further described in Section 3, includes successfully designing, permitting, and administering the bidding and construction of numerous shoreline restoration/protection projects in St. Johns County and throughout Florida, demonstrating our qualifications to successfully complete the present project.

For the joint venture members, INTERA and GEC, INTERA will serve as lead on borrow area and beach fill permitting and design, construction documentation preparation and bidding assistance, and construction administration with support from GEC. INTERA will also support Ardurra Group as lead on County coordination, public outreach, and FEMA coordination. Specialty sub-consultants will support services as noted in Figure 2.1 and Table 2.2.



Specialty Subcontractor Roles

- Coastal Eco-Group: Environmental/Biological Assessments
- Arc Surveying & Mapping: Topographic and Hydrographic Surveying
- Athena Technologies: Vibracore Collection, Sampling, and Reporting
- Chronicle Heritage: Archaeologist, Cultural Resources Analysis and Reporting
- CMAR Consulting: GIS Database and Web Services
- Coastal Conservation Group: Environmental Monitoring
- Meskel & Associates Engineering: Sediment QA/QC Testing, Construction Observation
- Sonographics: Sub-bottom Seismic, Side-scan Sonar, and Magnetometer Surveys

Figure 2.1 Project Organization Chart



Table 2.1 Summary of Qualifications and Experience of Key INTERA-GEC Team Personnel

Personnel	Education	Training	Coastal Engineering Services								
			Beach Fill Design and Permitting	Borrow Area Design and/or Permitting	Construction Plans & Specifications	Construction Costs & Schedule	Community Engagement	Bidding Assistance	Construction Administration Services	Environmental Monitoring	
Michael Trudnak, PE*	MS	Coastal Engineering	x	x	x	x	x	x	x	x	
Rajesh Srinivas, PE*	PhD	Coastal Engineering	x	x	x	x	x	x	x	x	
Michael Walther, PE, DCE*	MS	Coastal Engineering	x	x	x	x	x	x	x	x	
Michael Krecic, PE*	MS	Coastal Engineering	x	x	x	x	x	x	x	x	
Charles (Tem) Fontaine III, PE*	MS	Coastal Engineering	x	x	x	x	x	x	x	x	
Mark Gosselin, PE*	PhD	Coastal Engineering	x	x	x	x	x	x	x	x	
Phil Dompe, PE*	ME	Coastal Engineering	x	x	x	x	x	x	x	x	
Huseyin Demir, PE*	PhD	Civil/Env Engineering (Coastal)	x	x	x			x	x	x	
Tracy Staples, PE*	PhD	Coastal Engineering	x	x		x	x	x			
Miao Tian, PE*	PhD	Coastal Engineering	x	x				x			
Hannah Walsh, EI*	MS	Ocean Engineering	x	x	x			x			
Alexander Neach*	AA	Surveying and Environmental Sciences	x	x	x				x		
Michael Allen, EI*	BS	Civil Engineering			x	x		x	x	x	
Sarah Normington, EI	BS	Ocean Engineering					x				
Steven Berridge	AS	Engineering Design Graphics	x	x	x						
Cheryl Miller*	MS	Biological Sciences	x	x						x	

*Resumes of personal provided on the following pages



Table 2.2 List of Sub-consultants

Company Name	Service Provided	Key Personnel ¹
Ardurra Group, Inc.	FEMA coordination, Quality Assurance/Quality Control, County Coordination and Public Outreach, Construction Observation	Rajesh Srinivas, PhD, PE John Sinn Ricardo Escobar, PE
Coastal Eco-Group, Inc.	Environmental/Biological Assessments	Cheryl Miller Melissa Sathe
Arc Surveying & Mapping, Inc.	Topographic and Hydrographic Surveying	Frank Sawyer Richard Sawyer, PSM, CH
Athena Technologies, Inc.	Vibracore Collection, Sampling, and Reporting	L. Palmer McClellan Brian Simmons
Chronicle Heritage	Archaeologist, Cultural Resources Analysis and Reporting	Stephen James, RPA Justin Milewski
Coastal Conservation Group, LLC	Environmental Monitoring	Tara Dodson Robert Fraser
CMAR Consulting, LLC	GIS Database and Web Services	Alexandra Carvalho, PhD, GISP
Meskel & Associates Engineering, PLLC	Sediment QA/QC Testing, Construction Observation	Kelly Marshall, PE
Sonographics, Inc.	Sub-bottom Seismic, Side-scan Sonar, and Magnetometer Surveys	Frederick Horgan Christopher Horgan

¹Resumes provided on the following pages



Project Team — Resumes

MICHAEL TRUDNAK, PE
 Senior Coastal Engineer



<p>PROJECT ROLE Project Manager & Engineer of Record</p> <p>BUSINESS ADDRESS 446 3rd Street Neptune Beach, FL 32266</p> <p>PHONE NUMBER Office: (904) 440-4697</p> <p>EMAIL ADDRESS Email: mtrudnak@intera.com</p>	<p>EDUCATION MS, Coastal & Oceanographic Engineering University of Florida, 1997</p> <p>BS, Geosciences Pennsylvania State University, 1995</p> <p>YEARS OF EXPERIENCE Total: 28 With this firm: 4</p> <p>PROFESSIONAL REGISTRATION PE, Florida, 58200</p>
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KEY QUALIFICATIONS

Michael Trudnak has extensive knowledge of coastal engineering principles, theories, and standards and experience providing clients with project life-cycle support. His beach management experience includes design of shore stabilization structures and all aspects of beach/dune restoration including feasibility studies, sand source investigations, project design and permitting, and bid and construction administration. His inlet management experience includes development of sediment budgets, evaluation of sand bypassing alternatives, and application of numerical modeling results to identify and implement effective strategies for regional sediment management and navigation improvements. Overall, he has been involved with the design and/or permitting of nearly 30 beach restoration/nourishment projects covering approximately 55 miles of shoreline; constructed projects have placed 9.7 million cubic yards along 39 miles of shoreline.

RELEVANT PROJECT EXPERIENCE

Beach Restoration Design and Permitting Services, Volusia County, FL. *Project Manager/Lead Coastal Engineer.* Currently directing the completion of FDEP and USACE permit modification requests for two separate projects to allow beach placement of beach quality dredge materials. The first project will place approximately 600,000 cy of material along 5 miles of New Smyrna Beach; the fill material will be transported via hydraulic pipeline from Florida Inland Navigation District’s (FIND) Maintenance Spoil Area (MSA) 434/434C South (a.k.a. Rattlesnake Island). The second project will place up to 700,000 cy of material along segments of Ponce Inlet, Wilbur-By-The-Sea, Daytona Beach Shores, and Daytona Beach; the fill material will be trucked from an on-beach stockpile of inlet and ICWW maintenance dredge material that USACE’s dredging contractor will construct. Work involves beach fill design, environmental assessments and surveys, state and federal permitting, and close coordination with several government entities including USACE, FIND, FDEP, and the County.

Beach Restoration Design and Permitting Services, Various Government Clients, FL. *Project Manager/Lead Coastal Engineer.* Directed the completion of applications to obtain FDEP and/or USACE permits or permit modifications for South Ponte Vedra Beach Restoration (2019 – 2020), Summer Haven Beach Maintenance Project (2011, 2020), Summer Haven River Restoration Project (2012, 2016), Fort Pierce Emergency Beach Fill (2011, 2020), Fort Pierce Shore Protection Project (2006, 2013, 2017), St. Lucie County Intracoastal Waterway Reach I Dredging (2017), Martin County Shore Protection Project



(2002, 2005, 2013, 2017), South Marco Island 2006 Beach Nourishment Project, Walton County S.R. 30A Corridor Beach Restoration Project, Walton County/Destin Beach Restoration Project, Western Destin Beach Restoration Project, Holiday Isle Emergency Beach Fill, Okaloosa Island Beach Restoration Project, and Eglin Air Force Base Beach Restoration Project.

Beach Restoration Bid Administration, Construction Observation Services, and Monitoring, Various Government Clients, FL. *Project Manager/Lead Coastal Engineer.* Assisted various local governments with bid administration and construction observation of their beach restoration projects. Work responsibilities included preparation of contract documents, construction plans, and technical specifications; overseeing daily construction observations services, conducting pre-bid and project progress meetings and substantial completion and final inspections; reviewing contractor submittals, pay applications, and project surveys; project certification; collection and analysis of monitoring surveys; and preparation and submittal of post-construction reports.

Sand Source Investigations, Various Government Clients, FL. *Project Manager/Lead Coastal Engineer.* Conducted sand source investigations for various government entities throughout Florida. Studies included the St. Johns County Reconnaissance Phase Sand Source Investigation (2019), Fort Pierce Shore Protection Project (2013 – 2014), Eglin Air Force Base/Okaloosa County/Destin Sand Source Investigation (2006 – 2010), Walton County Sand Source Investigation (2005 – 2007), Walton County/Destin Sand Source Investigation (2002 – 2003), and Venice Beach Sand Source Investigation (2001 – 2002). Projects included development of geophysical and geotechnical data collection and analysis programs to locate beach quality sand reserves for future beach management activities.

Post-Hurricane Assessment and Recovery Efforts, Various Local Government Clients, FL. *Project Manager/Lead Coastal Engineer.* Assisted various government entities throughout Florida in the assessment of hurricane impacts and design, permitting, and construction of emergency restoration projects. Assisted Martin and St. Lucie counties with post-storm beach assessments following hurricanes Sandy (2012), Matthew (2016), Irma (2017), and Dorian (2019); assisted St. Johns County and St. Augustine Port, Waterway & Beach District with closing a barrier island breach caused by Hurricane Matthew at Summer Haven; assisted Martin County with design, permitting, and construction of a FEMA dune restoration project in 2005 following hurricanes Francis and Jeanne; and assisted Walton County and City of Destin following Hurricanes Ivan (2004) and Dennis (2005) with post-storm beach assessments and design, permitting, and construction of dune restoration projects.

Summer Haven Revetment Design-Build, St. Johns County, FL. *Project Manager/Senior Engineer.* This FEMA-funded project consists of restoring an existing rock revetment along the Atlantic Ocean shoreline after damages incurred during Hurricane Matthew. In lieu of the revetment, INTERA recommended the contractor propose a seawall with some additional rock to reduce costs and meet the FEMA funding restrictions. Calculated scour, toe berm rock sizes, and wave overtopping rates (to assist others' drainage analysis).

Fort Pierce Inlet Sediment Impoundment Basin Design, Permitting, and Bid Administration, St. Lucie County Erosion District, FL. *Project Manager, Lead Coastal Engineer, and Engineer of Record.* Directed the final design and permitting phase for the construction of a sediment impoundment basin within Fort Pierce Inlet to supplement St. Lucie County's efforts to bypass sand across the inlet to the downdrift eroding beach. Developed a phased approach to basin construction intended to verify the basin's sand trapping efficiency while minimizing hardbottom impacts (0.02 acre of Phase 1 impacts) prior to constructing the full-scale basin (2+acres of Phase 2 impacts). Prepared technical specifications and construction plans, assisted the County with preparation of bid documents, conducted pre-bid meetings, and addressed questions from bidders.



RAJESH SRINIVAS, PHD, PE
 Principal Coastal Engineer



<p>PROJECT ROLE QA/QC Officer, Principal Coastal Engineer</p> <p>BUSINESS ADDRESS 100 Center Creek Rd, Suite 108 St. Augustine, Florida 32084</p> <p>PHONE NUMBER Office: (904) 233-9612</p> <p>EMAIL ADDRESS Email: rvsrini@gmail.com</p>	<p>EDUCATION PhD, Coastal and Oceanographic Engineering University of Florida, 1993</p> <p>MS, Coastal and Oceanographic Engineering University of Florida, 1989</p> <p>BS, Mechanical Engineering Birla Institute of Technology, India 1986</p> <p>YEARS OF EXPERIENCE Total: 34 With this firm: 9</p> <p>PROFESSIONAL REGISTRATION PE, Florida, 53951</p>
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KEY QUALIFICATIONS

Rajesh Srinivas has over 30 years of consulting experience with the planning, design, permitting, and monitoring phases of projects addressing coastal engineering, coastal restoration, navigation, dredging, coastal structures, hydraulics, hydrology, water quality, and environmental issues. He has served as the principal-in-charge, engineer-of-record, team leader, quality manager, project manager, and engineer for projects in Florida (including Volusia County), Louisiana, Texas, Alabama, New York, India, Argentina, and Mexico. His clients include the U.S. Army Corps of Engineers, Federal Emergency Management Agency, and state and municipal agencies. His close to 20 years of coastal engineering and management experience with Volusia County projects includes service as the Engineer of Record for the 2006 beach placement at New Smyrna Beach of 700,000 cy of sands offloaded from FIND DMMA site MSA 434.

RELEVANT PROJECT EXPERIENCE

FEMA Category B Emergency Berm Restoration Project, Post-Hurricanes Ian and Nicole (2022), St. Johns County, FL. Serving as the County’s technical representative for work with FEMA related to emergency and permanent beach measures (Category B emergency berms and Category G beaches). Worked with FEMA on the preliminary disaster assessment. Identifying beach locations and developing estimates of sand volumes and costs countywide eligible for FEMA funding.

Environmental Assessments for Post-Hurricane Matthew (2016) and Irma (2017) Beach Recovery, St. Johns County, FL. Acting as the county’s subject matter expert, helped FEMA develop separate Environmental Assessments for (a) the placement of over 1,000,000 cubic yards of sand as emergency berms along 30 miles of county shoreline, and (b) at Summer Haven Beach, the reconstruction of Old A1A North and its protective revetment, and a sand dune for the driving surface of Old A1A South.

Coastal Storm Risk Management Project, United States Army Corps of Engineers, South Ponte Vedra and Vilano Beaches, St. Johns County, FL. Served as the County’s representative for the entire lifecycle of the federal feasibility study – from plan formulation to federal authorization and Congressional appropriation. This project provided a 50-year beach nourishment program for 3 miles of shoreline in South Ponte Vedra and Vilano Beaches. Conducted a storm damage benefits evaluation to assist the county set up a Municipal Services Taxing Unit (MSTU) to recover a portion of the project costs from its beneficiaries. Assisted the county with finalizing the federal PPA and OMRRR. Served as the County’s



representative for the USACE’s design and permitting process to place 1.3 million cubic yards of sand in 2020 using flood shoals of St. Augustine Inlet as the borrow area. Currently assisting with post-construction monitoring and project renourishment.

Beach and Dune Restoration, South Volusia County, FL. As principal-in-charge, provided quality assurance and control and interagency coordination services in the design and permitting of beach nourishment for 9 miles of beach south of Ponce de Leon Inlet. The design portion of the project applies STWAVE, GENESIS, and MIKE 21 numerical models.

New Smyrna Beach Dune Restoration, Volusia County, FL. Engineer-of-record, provided quality assurance and control and interagency coordination services and directed the design, permitting, preparation of plans and specifications, bid administration, and construction management for restoring 6 miles of dune with 720,000 cubic yards of sand dredged from an upland dredge material management area.

Beach Management Feasibility Study, South Volusia County, FL. Project manager for a regional study which evaluates the engineering, environmental, and economic elements of beach management for 11 miles of shoreline. Project tasks include coastal processes analyses, littoral budgets, environmental resources categorization, evaluation of management alternatives, developing feasibility projects, public and agency coordination, and recommendations.

Impacts of Proposed Modifications at Ponce de Leon Inlet, Volusia County, FL. Potential modifications considered by the USACE included various south jetty extensions, various weir lengths in the north jetty, inlet channel realignment, and inlet interior dredging. Evaluated impacts to tidal hydraulics using the 2-D hydrodynamics model TRANQUAL and to shorelines and the open shore sediment budget with GENESIS. Developed a sediment transport model to estimate impacts of alternatives on inlet interior shoaling and dredging requirements.

Dredged Material Management Plan, Volusia County, FL. For the Florida Inland Navigation District, developed a comprehensive site-specific management plan for beach placement of material dredged from the Intracoastal Waterway near Ponce de Leon Inlet.





MICHAEL WALTHER, PE, DCE
 Principal Coastal Engineer

<p>PROJECT ROLE QA/QC Officer</p> <p>BUSINESS ADDRESS 3625 20th Street Vero Beach, Florida 32960</p> <p>PHONE NUMBER Office: (772) 562-8580 ext. 12</p> <p>EMAIL ADDRESS Email: mwalther@coastaltechcorp.com</p>	<p>EDUCATION MS, Ocean Engineering University of Texas at Austin, 1977</p> <p>BES, Engineering Science University of Texas at Austin, 1975</p> <p>YEARS OF EXPERIENCE Total: 47 With this firm: 42</p> <p>PROFESSIONAL REGISTRATION PE, Florida, 32081</p>
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KEY QUALIFICATIONS

Based upon his 47 years of coastal engineering experience, Mr. Walther serves QA/QC Officer to ensure quality of the work by the firm. Mr. Walther has a detailed understanding of coastal processes, state and federal policies and practices, coastal engineering design standards, regulatory permitting, and the associated necessary supporting environmental services. Mr. Walther is intricately familiar with legislation, laws, and policies of local, state, and federal regulatory agencies and their impact upon management of coastal resources and infrastructure. Mr. Walther is a certified Diplomate in Coastal Engineering by ASCE’s Academy of Coastal, Ocean, Port and Navigation Engineers.

RELEVANT PROJECT EXPERIENCE

South St. Lucie Beach Restoration, St. Lucie County, FL. QA/QC Officer. Served as Project Manager and Engineer-of-Record for the 2013 initial restoration which included: Plan formulation; Planning Charettes; preliminary design and Environmental Assessment; Economic Analysis & NED Plan; final design plans and specifications; FDEP & USACE permits; Erosion Control Line establishment & easements; and NEPA compliance. The project was designed, permitted, and bid to allow construction via either (a) a truck-haul from upland sand sources or (b) dredging of an offshore borrow area. Construction began in March 2013 and was completed in April 2013 with a final pay volume of 635,164 cubic yards.

Navarre Beach Restoration, Santa Rosa County, FL. Project Manager and Engineer-of-Record. Led 2016 renourishment of this 4.1-mile-long barrier island restoration project – initially constructed in 2006. The final accepted pay volume for the 2016 project was 1,311,961 cubic yards. The scope of services for this project included a feasibility study to formulate alternative designs and funding strategies, an Environmental Assessment and NEPA compliance, final design plans and specifications, obtainment of Florida DEP and USACE permits, establishment of Erosion Control Line, and construction phase services. Currently serves as QA/QC Officer.

Sarasota County Shore Protection - Venice Segment, Venice, FL. Various Roles. Beginning in 1994, served as the Project Manager and Engineer-of-Record for borrow area geotechnical investigations and permit modifications to allow for the initial 1996 beach restoration via placement of about 1.8 million cubic yards of sand of this federal project undertaken by the USACE. In 2003, performed an assessment of the City’s drainage outfalls that discharge across the beach to comply with State FDEP permit requirements and formulated improvements to improve water quality of discharges into nearshore waters, also served as



QA/QC Officer for services in support of (a) beach maintenance projects in 2005 and 2015, and (b) outfall improvements in 2016.

Sector 4 Dune Renourishment Project, Indian River County, FL. QA/QC Officer. Ensured quality for design, permitting, bidding and construction of the proposed dune restoration project of a 3-mile segment of shoreline. This is the initial nourishment proposed of this segment of shoreline in Indian River County.

Reach 7 - Phipps Ocean Park Beach Nourishment Project, Palm Beach, FL. Various Roles. The Project restored the beach and dune along 1.6 miles of beach via placement of about 1.5 million cubic yards of sand. As Project Manager and Engineer-of-Record, oversaw mapping and characterization of environmental resources, design, and permitting – including preparation of an EIS. The initial Project was designed – including application of the USACE’s GENESIS model - as a feeder beach. Construction occurred in 2006. The first re-nourishment occurred in the winter of 2015-2016, as Project Manager and Engineer-of-Record, oversaw application of the Mike 21 model in preliminary design, final design and permitting.

Sector 3 Beach & Dune Restoration, Indian River County, FL. Project Manager and Engineer-of-Record. This highly visible project, utilizing sand trucked from an upland sand source to restore 6.6 miles of beach and dune, was designed, permitted, and bid to allow construction via either (a) a truck-haul from upland sand sources or (b) dredging of an offshore borrow area. The project design was specifically formulated and limited so as to avoid impacts upon nearshore hardbottom. Construction occurred in phases between 2010 and 2012, the final pay volume was 560,592 cubic yards of sand. The scope of work included an update of the County’s *Beach Preservation Plan*, Environmental Assessment and NEPA compliance, final design plans and specifications, Florida DEP and USACE permits, and construction oversight.

Sector 7 Beach & Dune Restoration; Indian River County, FL. QA/QC Officer. Project involves the design and permitting of the proposed re-nourishment of a 2.0-mile segment of critically eroded shoreline, initially restored in 2007.

Volusia County Offshore Sand Search, FL. Project Manager and Engineer-of-Record. Oversaw *Reconnaissance* and *Plans & Specs* level geotechnical investigations including: seismic and bathymetric surveys, vibracores, sediment sample analysis, volume-weighted composite analysis, delineation of borrow areas to support design and permitting.

Dauphin Island East End Beach and Barrier Island Restoration Project, AL. QA/QC Officer. Coastal Tech provided (a) borrow area analysis/delineation, assessment of existing mostly submerged and detached groins, and preparation of construction Drawings and Technical Specifications for beach restoration entailing about 320,000 cy of sand and breakwater construction, and (b) general Quality Assurance for various study investigation tasks by other team members.

Sargent Beach – Beach & Dune Nourishment, Matagorda County, TX. QA/QC Officer. Coastal Tech performed services including permitting, design, bidding and construction oversight. Construction was completed March 2013 and entailed placement of about 82,870 cubic yards of sand along 3,600 feet of beach just east of FM 457 in Matagorda County.



MICHAEL KRECIC, PE
 Senior Coastal Engineer



<p>PROJECT ROLE Senior Coastal Engineer</p> <p>BUSINESS ADDRESS 2114 NW 40th Terrace Suite A1 Gainesville, FL 32605</p> <p>PHONE NUMBER Office: (352) 332-2323</p> <p>EMAIL ADDRESS Email: mkrecic@intera.com</p>	<p>EDUCATION MS, Coastal & Oceanographic Engineering University of Florida, 1995</p> <p>BS, Mathematics/Applied Physics Marietta College, 1993</p> <p>YEARS OF EXPERIENCE Total: 30 With this firm: 11</p> <p>PROFESSIONAL REGISTRATION PE, Florida, 57509</p>
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KEY QUALIFICATIONS

Michael Krecic’s project experience includes design of coastal structures (e.g., revetments, breakwaters, seawalls, and groins), beach nourishment, and dredging. He has worked on coastal projects in the southeast U.S., the Caribbean, the Great Lakes, New York, Canada, and South America. Mr. Krecic has served the Florida Department of Environmental Protection, Florida Department of Transportation, U.S. Army Corps of Engineers districts, Florida Inland Navigation District, and numerous counties and municipalities. He has been involved with the design, permitting, and construction of 21 beach/dune nourishment projects with over 13 million cubic yards covering approximately 60 miles of shoreline.

RELEVANT PROJECT EXPERIENCE

Beach Restoration Design and Permitting Services, Volusia County, FL. Senior Coastal Engineer. To ameliorate the effects of hurricanes Ian and Nicole (2022), helping design and permit the offloading and placement of approximately 600,000 cubic yards of beach-compatible material along five miles of New Smyrna Beach. The “free” fill material will originate from Florida Inland Navigation District’s Maintenance Spoil Area 434/434C South via hydraulic pipeline. For north of Ponce de Leon Inlet, helping design and permit of trucking and placing up to 700,000 cubic yards of material along segments of Ponce Inlet, Wilbur-By-The-Sea, Daytona Beach Shores, and Daytona Beach. The “free” fill material will originate from an on-beach stockpile of inlet and Intracoastal Waterway maintenance material dredged by the U.S. Army Corps of Engineers’ contractor.

Summer Haven and Summerhouse Feasibility Study, St Johns County, FL. Senior Coastal Engineer. Helped prepare engineering feasibility studies examining environmentally and financially sustainable long-term solution to maintain the flow of the Summer Haven River, historically subject dune overwash infilling due to the Atlantic Ocean breaching the fronting barrier island, and a list of potential projects that consider the potential effects of Matanzas Inlet on the adjacent beaches, including the Summerhouse condominiums on the north of Matanzas Inlet. The assessment examined waves, inlet hydrodynamics, shoreline and beach volume changes, sediment transport pathways, inlet effects on adjacent beaches, beach nourishments, seawalls, and other structures. Participated in public meetings.

Post-Hurricane Dorian (2019) Northern Flagler County Dune Restoration Construction Observation, Flagler County, FL. Project Manager/Senior Engineer/Advisor. As a subcontractor, served as overall Quality Assurance/Quality Control (QA/QC) lead on approx. 10.8-mile, 303,000-cubic yard dune restoration project, funded partially by FEMA, from the near the St. Johns/Flagler County line to near the north end of Flagler Beach. Sand originated from two sand processing (upland) plants located 50-60 miles



from the sites and from a Florida Inland Navigation District dredged material management area (FL-3) located 10 miles from the sites. Managed onsite beach observer for multiple segments. Designed and revised dune fill templates during construction for three of the five shoreline segments to keep project on budget.

Post-Hurricanes Matthew (2016) and Irma (2017) Dune Restoration and Seawall Installation Construction Observation, Flagler County, FL. *Project Manager/Senior Advisor.* As a subcontractor, served as overall QA/QC lead on 11.5-mile, 407,000-cubic yard, partially FEMA-funded, dune restoration project from the county line to the north end of Flagler Beach. In this county-constructed project, sand originated from two sand processing (upland) plants located 50-60 miles from the sites. Managed onsite beach observer. Served in similar role for Painters Hill vinyl seawalls project, which includes an 815-ft section and a 433-ft section connecting to an existing vinyl wall.

Dune Restoration Economic Benefit Analysis Support, St. Johns County, FL. *Project Manager/Senior Engineer.* In response to Hurricane Mathew (2016), supported St. John's County's efforts to create a taxing district for a planned 8.9-mile dune restoration project in South Ponte Vedra Beach and Vilano Beach by estimating the dune's project life and level of protection afforded by the project. Estimated dry beach background erosion rates from beach profile surveys and level of protection (return period storm that removes placed dune fill volume) from SBEACH cross-shore erosion modeling for different beach fills.

Coastal Engineering Disaster Recovery Consulting Services; St. Johns County, FL. *Project Manager/Senior Engineer.* To date, identified potential upland (commercial sand mines and dredged material management areas) and offshore and inlet sand sources for dune nourishment after Hurricane Matthew (2016) for use along 42 miles of shoreline. Developed conceptual cost estimates for placing identified sand onto county beaches. Data sources included existing literature and studies, site visits, telephone calls, email correspondence, and onsite meetings. Calculated pre- and post-storm beach volume changes.

St. Johns County Shore Protection Project, 2005 and 2011/2012 Projects, St. Johns County, FL. *Project Manager/Senior Engineer.* For 2011/2012 project, evaluated anticipated project longevity associated with scaled back beach placement volumes in relation to a filled project template. Applied GENESIS model to assess various fill volume templates. For 2005 project, performed analyses to support the FDEP permit modification during construction to renourish the beach along Anastasia State Park and St. Augustine Beach.

Beach Restoration Design and Permitting, Volusia County, FL. *Project Manager/Senior Engineer.* Led effort to permit and design a long-term beach and dune restoration project along the communities of New Smyrna Beach, Silver Sands, and Bethune Beach with sand from offshore borrow area(s). Duties included data collection and review, borrow area site design and excavation impact analysis, engineering design of beach and dune restoration, environmental characterization and preparation of environmental impact statement, permitting, and agency coordination.

South Volusia County Emergency Beach Permit and Design, Volusia County, FL. *Senior Engineer.* Performed duties in support of permitting (Department of Army and FDEP) and design of emergency dune restoration along the beaches of New Smyrna Beach. Because of severe beach erosion from the passage of several recent hurricanes and nor'easters in 2004 and 2005, designed dune fill to maximize the amount of available borrow material from Material Storage Area 434/434C, an upland dredged material management site, and the extent of the project. Calculated overfill ratios and equilibrium beach profiles (such that the equilibrium shoreline of the restored dune lies at the pre-storm mean high water line, a permitting constraint). Prepared detailed plans and specifications.





CHARLES “TEM” FONTAINE III, PE
 Vice President/Manager

<p>PROJECT ROLE Senior Coastal Engineer</p> <p>BUSINESS ADDRESS 3625 20th Street Vero Beach, Florida 32960</p> <p>PHONE NUMBER Office: (772) 562-8580 ext. 17</p> <p>EMAIL ADDRESS Email: tfontaine@coastaltechcorp.com</p>	<p>EDUCATION MS, Coastal and Oceanographic Engineering University of Florida, 2008</p> <p>BS, Mechanical Engineering University of Florida, 2006</p> <p>YEARS OF EXPERIENCE Total: 17 With this firm: 13</p> <p>PROFESSIONAL REGISTRATION PE, Florida, 73042</p>
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KEY QUALIFICATIONS

Mr. Fontaine provides planning, design, permitting, and construction phase consulting services focused on coastal and marine projects including dredging, habitat restoration, beach and dune nourishment, and coastal erosion control structures. His experience includes supporting beach fill projects, which have received more than 10 million cubic yards of sand.

RELEVANT PROJECT EXPERIENCE

South St. Lucie Beach Restoration, St. Lucie County, FL. Project Manager/Engineer of Record. For the initial 2013 construction of this “non-federal” project; (a) assessed expected performance of proposed beach nourishment project – in support of design, and (b) oversaw bidding and construction phases. Assisted county with “in-kind” services support of CSRM 2022 initial nourishment event including reviewing design, contract documents, permit application, and borrow area delineation performed by USACE, performing construction phase services, and post-construction physical and biological monitoring of CSRM project. Currently assisting county by (a) addressing post-construction monitoring and permit compliance, (b) formulating potential public access improvements to increase federal funding for congressionally authorized “federal” USACE project for future maintenance in concert with USACE, and (c) assisting county with in-kind services for next nourishment event expected in November 2024.

Navarre Beach Restoration, Santa Rosa County, FL. Project Manager/Engineer-of-Record. Monitoring of this 4-mile-long beach restoration project – initially constructed in 2006 and renourished in 2016. Estimated losses to support the post-storm FEMA-funded 2010 dune restoration after hurricanes Gustav and Ike in 2008. Led preliminary design and permitting of the 2016 renourishment project. Currently serving as the Engineer-of-Record for the next nourishment project expected to commence in 2024.

Sector 4 Dune Renourishment Project, Indian River County, FL. Project Manager and Engineer-of-Record. Responsible of designing, permitting, and bidding for proposed dune restoration project of a 3-mile segment of shoreline. This is the initial nourishment proposed of this segment of shoreline in Indian River County.

Sector 7 Beach and Dune Restoration Project, Indian River County, FL. Project Manager and Engineer-of-Record. Responsible for design and permitting of proposed renourishment of a 2.0-mile segment of critically eroded shoreline, initially restored in 2007.



MARK GOSSELIN, PHD, PE
 Vice President/Manager



<p>PROJECT ROLE Principal Coastal Engineer</p> <p>BUSINESS ADDRESS 2114 NW 40th Terrace Suite A1 Gainesville, FL 32605</p> <p>PHONE NUMBER Office: (352) 332-2323</p> <p>EMAIL ADDRESS Email: mgosselin@intera.com</p>	<p>EDUCATION PhD, 1997, Coastal and Oceanographic Engineering, University of Florida</p> <p>MS, 1992, Naval Architecture and Offshore Structures, University of California at Berkley</p> <p>YEARS OF EXPERIENCE Total: 34 With this firm: 21</p> <p>PROFESSIONAL REGISTRATION PE, Florida, 54594</p>
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KEY QUALIFICATIONS

Mark Gosselin has over three decades of experience in coastal processes, nearshore and open channel hydrodynamics, and sediment transport. Dr. Gosselin has served as project manager on hundreds of erosion and hydraulics assessments of coastal structures throughout the country and has served as project manager on numerous coastal engineering studies that have involved wave, hurricane storm surge, sediment transport, riverine flooding, and dam break hydraulic modeling. His experience covers the southeastern U.S., Virginia, Washington, Hawaii, and Puerto Rico, and clients such as state departments of transportation, USACE, FEMA, and the National Aeronautics and Space Administration as well local governments. Dr Gosselin has authored design guidelines at state and federal levels for clients including National Cooperative Highway Research Program, Florida Department of Transportation, South Carolina Department of Transportation, and North Carolina Department of Transportation.

RELEVANT PROJECT EXPERIENCE

Development of Rehabilitation Recommendations for SR A1A in Flagler and Volusia Counties Following Landfall of Hurricanes Ian and Nicole (2022), Florida Department of Transportation – District 5, Flagler and Volusia Counties, FL. Project Manager. SR-A1A experienced significant damage along a thirteen-mile-long stretch spanning Flagler and Volusia counties. This project involved assessing the damage, attending public meetings, participating in Strike Team meetings comprised of all stakeholders, and identifying and recommending solutions to mitigate damage associated with future hurricane events.

Post-Hurricane Matthew (2016) Damage Assessment of SR A1A, Florida Department of Transportation - District 5, Flagler and Volusia Counties, FL. Project Manager/Principal Engineer. Met with FDOT personnel and performed a site assessment of Flagler Beach immediately after passage of Hurricane Matthew. Subsequently evaluated and identified vulnerable stretches of ocean shoreline to flood hazards from Beverly Beach to Ormond-by-the-Sea; categorized locations with high, moderate, and low likelihood of pavement/shoulder loss; and identified options and materials for shoreline stabilization. This assessment formed the basis of FDOT actions (including revetment, dune nourishment, and seawall).

Jacksonville Fishing Pier Forensic Analysis and Design Assistance, City of Jacksonville, FL. QA/QC Officer. Provided a quality control review of the wave modeling and wave force calculations in addition to the report review supporting the replacement pier design. This project involved development and calibration of an ADCIRC+SWAN model to hindcast Hurricane Matthew (2016) storm surge and wave conditions in Jacksonville Beach that damaged the Atlantic Ocean pier.



PHILIP DOMPE, PE
 Senior Coastal Engineer



<p>PROJECT ROLE Senior Coastal Engineer</p> <p>BUSINESS ADDRESS P.O. Box 840235 St. Augustine, FL 32080</p> <p>PHONE NUMBER Office: (352) 332-2323</p> <p>EMAIL ADDRESS Email: pdompe@intera.com</p>	<p>EDUCATION ME, Coastal and Oceanographic Engineering University of Florida, 1993</p> <p>BS, Ocean Engineering Florida Atlantic University, 1989</p> <p>YEARS OF EXPERIENCE Total: 35 With this firm: 11</p> <p>PROFESSIONAL REGISTRATION PE, Florida, 54571</p>
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KEY QUALIFICATIONS

Phil Dompe has provided expertise in hydrodynamic modeling and coastal engineering for three decades. This expertise includes one- and two-dimensional modeling of oceans, bays, inlets, manmade waterways, and other tidally-influenced water bodies to address sediment transport and circulation issues. Mr. Dompe played an integral role in developing the levels of analysis for screening coastal structures' vulnerability to waves.

RELEVANT PROJECT EXPERIENCE

Jacksonville Fishing Pier Forensic Analysis and Design Assistance, City of Jacksonville, Jacksonville Beach, FL. *Project Manager/Senior Engineer.* Developed and calibrated an ADCIRC+SWAN model to hindcast Hurricane Matthew (2016) storm surge and wave conditions in Jacksonville Beach. Employed results to calculate wave forces on substructure and superstructure of existing pier. Developed wave crest elevations for various return periods to set new pier low chord elevation. Assisted city in the selection of an appropriate return period for the design of the replacement pier.

Ft. Pierce Beach Shoreline Protection Project, St. Lucie County, FL. *Project Engineer.* Employed a turbulent diffusion-based model and wave hindcast data to determine cross-shore and long-shore mixing zone lengths for use during construction. Applied digital terrain modeling to develop a post-project beach fill surface to assist in assessment of impacts to nearshore hard bottom communities. Applied differential GPS during a joint field study with personnel from FDEP to ground truth location of nearshore hard bottom communities. Responsible for the FDEP water quality variance.

T-Head Groin Design, Permitting, and Construction for the Resort at Pedregal, Cabo San Lucas, Mexico. *Project Manager/Senior Engineer.* This project involved development of T-Head groin field to address severe erosion following the 2014/2015 hurricane season. In addition to project manager responsibilities, established design conditions by developing SWAN+ADCIRC model of the eastern Pacific to hindcast Hurricane Odile (2014). Developed SWAN wave model of the eastern Pacific to simulate the past 34-years of wave climate at the project site and presented the results to the client. Assisted in the preparation of community outreach in preparation for construction and provided technical expertise during construction.



HUSEYIN DEMIR, PHD, PE
 Coastal Engineer



<p>PROJECT ROLE Coastal Engineer</p> <p>BUSINESS ADDRESS 2114 NW 40th Terrace Suite A1 Gainesville, FL 32605</p> <p>PHONE NUMBER Office: (352) 332-2323</p> <p>EMAIL ADDRESS Email: hdemir@intera.com</p>	<p>EDUCATION PhD, Civil/Environmental/Coastal Engineering Georgia Institute of Technology, 2007</p> <p>MS, Civil Engineering, Boğaziçi University, 2002</p> <p>YEARS OF EXPERIENCE Total: 24 With this firm: 16</p> <p>PROFESSIONAL REGISTRATION PE, Florida, 71494</p>
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KEY QUALIFICATIONS

Huseyin Demir has more than two decades of experience developing, modifying, coupling, and simulating waves, hydrodynamics, and sediment transport. His experience also includes statistical methods such as extreme value analysis and artificial neural networks. He applies his expertise to design and evaluate coastal conditions for soft and hard coastal structures. He has participated in many field campaigns surveying beaches and measuring waves and currents. His expertise and research in development of met-ocean conditions, linear and non-linear sea surface simulations, statistical methods, and programming created new capabilities and software for his clients. He has worked on coastal projects in Florida, Georgia, Louisiana, South Carolina, North Carolina, New York, Mississippi, and Texas. He applies the numerical modeling tools SWAN, WAM, CMS-FLOW, ADH ROMS, ADCIRC, HEC-RAS, and SBEACH, and the programming languages Fortran, Python, R, and MATLAB to help provide an understanding of coastal conditions.

RELEVANT PROJECT EXPERIENCE

South Carolina Sea Level Rise Guidance, South Carolina Department of Transportation. *Project Manager.* Conducted a comprehensive review of climate change and sea level rise projections for the state of South Carolina. Employed stochastic simulations, utilizing efficient sampling procedures, to simulate lifetime risks for coastal infrastructure. Developed guidance and software tools that enable practitioners to calculate risk-based design for sea level rise.

Coastal Hydraulics - Big Carlos Pass Bridge, Lee County, FL. *Project Manager and Engineer-of-Record.* (i) Developed ADCIRC/SWAN model to calculate surge, wave forces and erosion conditions; (ii) Assessed alternative inlet configurations and their associated impact on design conditions; (iii) Calculated erosion for non-cohesive sediments and rock using results of RETA tests; (iv) developed report; and (v) coordinated with West Coast Inland Navigation District and FDEP for realignment of navigational channel.



TRACY STAPLES, PHD, PE
 Coastal Engineer



<p>PROJECT ROLE Coastal Engineer</p> <p>BUSINESS ADDRESS 2114 NW 40th Terrace Suite A1 Gainesville, FL 32605</p> <p>PHONE NUMBER Office: (352) 332-2323</p> <p>EMAIL ADDRESS Email: tstaples@intera.com</p>	<p>EDUCATION PhD, Coastal and Oceanographic Engineering University of Florida, 2015</p> <p>MS, Coastal and Oceanographic Engineering University of Florida, 2010</p> <p>YEARS OF EXPERIENCE Total: 11 With this firm: 4</p> <p>PROFESSIONAL REGISTRATION PE, Florida, 98226</p>
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KEY QUALIFICATIONS

Dr. Tracy Staples has education and experience in coastal processes, nearshore, nonlinear wave dynamics and sediment transport. Dr. Staples has extensive field experience in data collection, processing, and analysis of a range of nearshore data including nearshore wave and current motions along with sediment suspension and transport in the nearshore. Her experiences in academia and private consulting have ranged from research to design with clients including the U.S. Army Corps of Engineers, various departments of transportation, FEMA, and NASA. She has experience with SWAN+ADCIRC, HEC-RAS, SRH-2D, FunWave, and XBeach along other analytical techniques to support coastal projects.

RELEVANT PROJECT EXPERIENCE

Design, Build, and Monitoring of Beach Nourishment, Various Clients, Miami, FL. *Coastal Engineer and Site Representative.* Coastal engineering analysis and design on various construction projects including boardwalks, marinas, and beach nourishment. Also worked as the on-site representative of a beach nourishment project in Hillsboro Beach, FL. As the resident site representative of a beach renourishment project in Hillsboro Beach, Florida, stayed on-site and was the main point of contact for the engineering company to the contracted dredge company, the client-city representatives, and the government agencies involved in the permitting. Was responsible for ensuring the project was built to engineering specifications and that all permit requirements were met. After construction, was also responsible for final and follow-up reports on the project.

Summer Haven and Summerhouse Feasibility Study, St Johns County, FL. Coastal Engineer. Modeled barrier island breaching and flood shoal dredging in helping examine environmentally and financially sustainable long-term solutions to maintain the flow of the Summer Haven River, historically subject dune overwash infilling due to the Atlantic Ocean breaching the fronting barrier island.

Runup and Wave Force Impacts on Waldorf Astoria Los Cabos Pedregal Resort, Los Cabos, Mexico. *Coastal Engineer.* The project involved the analysis of recent hurricane wave conditions and impacts on the resort’s structures. Wave forces during hurricane events were calculated and used to provide specifications for flood barrier installation as a protective mechanism from future impacts of hurricane waves and storm surge.





MIAO TIAN, PHD, PE
 Coastal Engineer

<p>PROJECT ROLE Coastal Engineer</p> <p>BUSINESS ADDRESS 2114 NW 40th Terrace Suite A1 Gainesville, FL 32605</p> <p>PHONE NUMBER Office: (352) 332-2323</p> <p>EMAIL ADDRESS Email: mtian@intera.com</p>	<p>EDUCATION PhD, Coastal and Oceanographic Engineering University of Florida, 2014</p> <p>MS, Coastal and Oceanographic Engineering University of Florida, 2010</p> <p>YEARS OF EXPERIENCE Total: 14 With this firm: 8</p> <p>PROFESSIONAL REGISTRATION PE, Florida, 86557</p>
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KEY QUALIFICATIONS

Dr. Miao Tian has over a decade of experience encompassing coastal modeling, nearshore processes, and sediment transport. His doctoral research involved numerical simulation and data analysis to study the shoaling and breaking of tsunami over a short-wave field. His study also investigated nonlinear coastal infragravity waves. As a postdoctoral researcher, he was involved in the numerical simulation of the coupling between internal solitary waves and gravity current. He has experience with the application of the numerical modeling tools SWAN, ADCIRC, HEC-RAS, SRH-2D, SBEACH, ROMS, AdH, SMS and the programming languages Fortran, MATLAB, and Python to practical coastal engineering projects. His current work is focused on storm surge modeling, beach nourishment, and bridge hydraulics analysis.

RELEVANT PROJECT EXPERIENCE

Wave Climate Assessment and Structure Design in Summer Haven, St. Johns County, FL. *Coastal Engineer.* The project involved developing wave climate for the design of shore protection structures at Summer Haven, St. Johns County, FL. Applied the 2D wave model SWAN to assess the wave climate at the shoreline.

Post-Matthew Disaster Recovery Consulting Services, St. Johns County, FL. *Coastal Engineer.* The project involved identifying sand source for constructing FEMA emergency berms along St. Johns County shoreline and developing preliminary estimates of the cost of sand placement. Performed beach volume assistance.

Flagler County Dune Restoration, Flagler County, Palm Coast, FL. *Coastal Engineer.* Conducted construction observation services for a dune restoration project in Flagler County, FL.

Boulevard of the Arts Revetment and Breakwater Design, City of Sarasota, FL. *Coastal Engineer.* The project involved developing the conceptual design of the revetment shoreline protection located at 1000 Boulevard of the Arts and adjacent riprap breakwater to the north at 1001 Boulevard of the Arts, Sarasota, FL. Developed recommendations for the size of the riprap armor stone comprising both elements as well as recommendations for the vertical and horizontal extents of both elements shore protection structure for Boulevard of the Arts Revetment and Breakwater.





HANNAH WALSH, EI
 Coastal Engineer

<p>PROJECT ROLE Staff Coastal Engineer</p> <p>BUSINESS ADDRESS 3625 20th Street Vero Beach, Florida 32960</p> <p>PHONE NUMBER Office: (772) 562-8580 ext. 14</p> <p>EMAIL ADDRESS Email: hwalsh@coastaltechcorp.com</p>	<p>EDUCATION MS, Ocean Engineering Florida Institute of Technology, 2018</p> <p>BS, Mechanical Engineering University of Tennessee at Chattanooga, 2014</p> <p>YEARS OF EXPERIENCE Total: 7 With this firm: 6</p> <p>PROFESSIONAL REGISTRATION FE, Tennessee, 32308</p>
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KEY QUALIFICATIONS

Hannah Walsh has provided planning, design, permitting, and construction phase consulting services on coastal engineering projects including beach and dune nourishment and coastal structures. She has also worked on the development and validation of a new suction dredge head design for fine sediment removal in environmental dredging applications.

RELEVANT PROJECT EXPERIENCE

Sector 7 Beach & Dune Restoration Project, Indian River County, FL. Staff Coastal Engineer. Supported design and permitting for future renourishment of a 2.0-mile-long segment of critically eroded shoreline, initially restored in 2007. Developed a preliminary design document evaluating (a) historic shoreline and volume change rates, (b) coastal processes and local wave climate effecting the longshore sediment transport deficit, (c) sediment compatibility of various beach fill sources (d) extent of nearshore hardbottom, (e) alternative fill templates including potential impacts upon nearshore hardbottom, (f) probable construction costs of each alternative, and (g) permitting compliance. Developed an Environmental Assessment to support permit requirements where she evaluated potential impacts to the environment within the Project Area. In support of Environment Assessment, prepared a Physical Monitoring Plan, Biological Monitoring Plan, Sediment QAQC Plan, Turbidity Monitoring Plan, and a Cross-Shore Mixing Zone Analysis.

South Siesta Key Nourishment Project, Sarasota County, FL. Staff Coastal Engineer. Analyzed beach profile surveys to identify shoreline/contour changes, volume changes, and beach fill performance since Phase II project construction in 2016. In addition, prepared physical monitoring engineering report in fulfillment of FDEP and USACE permit requirements.

St. Lucie County South Beach Restoration, Ft. Pierce, FL. Staff Coastal Engineer. Analyzed beach profile surveys to identify shoreline/contour changes, volume changes, and beach fill performance since the initial project construction in 2013. In addition, prepared a physical monitoring engineering reports in fulfillment of FDEP and USACE permit requirements. For the most recent restoration effort, completed in May 2022, provided support for permitting and permit compliance prior to construction, during construction, and immediately after construction – including post-construction physical monitoring of the project.





ALEXANDER NEACH
 Engineering Technician

<p>PROJECT ROLE Engineering Technician</p> <p>BUSINESS ADDRESS 3625 20th Street Vero Beach, Florida 32960</p> <p>PHONE NUMBER Office: (772) 562-8580</p> <p>EMAIL ADDRESS Email: aneach@coastaltechcorp.com</p>	<p>EDUCATION AA, Surveying & Environmental Sciences Indian River State College, 2012</p> <p>YEARS OF EXPERIENCE Total: 16 With this firm: 14</p> <p>PROFESSIONAL REGISTRATION N/A</p>
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KEY QUALIFICATIONS

Mr. Neach is an Engineering Technician / Permitting Specialist with over 16 years of experience. Zander has experience with performing construction phase services as a field representative of the engineer of record. Zander has extensive experience in drafting permit sketches and construction plans for beach and dune restoration and coastal structures; researching and submitting permits to CCCL, FDEP, USACE, and Florida water management districts; assisting geologists with sediment analysis; conducting Submerged Aquatic Vegetation (SAV) surveys; generating existing and proposed 3D surfaces and construction plans in AutoCAD Civil 3D; and creating shapefiles for GIS analysis. Mr. Neach is experienced in AutoCAD Civil 3D, ArcGIS, Corpscon, Map 3D 2020, RMAP, Microsoft Office; and Surveying Instruments/Equipment Total Station & various GPS receivers.

RELEVANT PROJECT EXPERIENCE

Navarre Beach Restoration Project, Santa Rosa County, FL. *Engineering Technician.* Currently assisting staff for monitoring of this 4-mile-long beach restoration project, initially constructed in 2006 and re-nourished in 2016. Mr. Neach assisted staff with field measurements and observations, and estimated losses to support the post-storm FEMA-funded 2010 dune restoration, via a truck haul project after Hurricanes Gustav and Ike in 2008. Mr. Neach assisted Engineer-of-record with preliminary design and permitting of the 2016 re-nourishment project. Mr. Neach is assisting the Engineer-of-record with design and permitting of the next re-nourishment project anticipated in 2024.

St. Lucie County South Beach Restoration, Ft. Pierce, FL. *Field Technician.* Assisted engineers with the design, anticipated equilibration of the design, & impacts to nearshore hardbottom. He also assisted engineers in performing pre-construction physical monitoring, during construction engineering services, post-construction physical monitoring, and post-storm impact assessments of the project.

St. Lucie County South Beaches Mitigation Reef, St. Lucie County, FL. *Engineering Technician.* Assisted engineers in performing design, permitting, and construction phase services for the Mitigation Reef constructed to offset predicted impacts to nearshore hardbottom attributable to the beach fill project. The design included stability calculations for different rock sizes and depths of water based upon suitable reef locations determined from survey data and environmental mappings.





JAMES MICHAEL ALLEN, EI
 Project Engineer

<p>PROJECT ROLE Project Engineer</p> <p>BUSINESS ADDRESS 3625 20th Street Vero Beach, Florida 32960</p> <p>PHONE NUMBER Office: (772) 562-8580</p> <p>EMAIL ADDRESS Email: mallen@coastaltechcorp.com</p>	<p>EDUCATION BS, Civil Engineering University of Florida, 2012</p> <p>YEARS OF EXPERIENCE Total: 12 With this firm: 2</p> <p>PROFESSIONAL REGISTRATION E.I., Florida, 1100017659</p>
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KEY QUALIFICATIONS

Michael Allen has 12 years of experience focusing on construction phase services for civil and coastal engineering projects, performing hydrographic and terrestrial surveys to support beach and dune nourishment projects, and post-storm inspection work as a FEMA contractor. Michael has wide-ranging and unique experience with surveying and construction of beach and dune restoration projects that is not common for engineers.

RELEVANT PROJECT EXPERIENCE

North Flagler County Dune Restoration Project, Flagler County, FL.2023. As Project Engineer for INTERA-GEC, LLC, Michael performed daily during construction observation services in support of a dune restoration project constructed using upland and off-road trucks to re-construct the beach dune by placing beach compatible sand from an upland sand mine.

Hurricane Maria Post-Storm Inspection, Aguadilla, Puerto Rico. 2018 – 2019. Technical Assistance Contractor for AECOM Recovery. Michael performed the typical functions of a FEMA Technical Assistance Contractor in response to Hurricane Maria, inspecting damaged facilities and creating reports for grant funding. Completed total process from work order to scope of work as both Site Inspector and Program Delivery Manager (PDMG). Validated municipal documentation for payment. Used Grant’s Manager to build Damage, Dimensions, and Descriptions (DDD’s). Provided technical support to additional FEMA staff.

Project Engineer for Oceanside Solutions, 2015 to – 2018 and 2019 – 2021. Michael assisted the licensed surveyor with performing hydrographic and terrestrial surveys to support various dredging and beach re-nourishment projects at Cape Canaveral, Cocoa Beach, Fernandina Beach, Jacksonville, Ocean Cay, Ft. Pierce, Naples, and Vilano Beach. Michael collected water samples to test for turbidity levels, performed cut and fill analysis for beach profiles, and was the captain for company vessels.

Islamorada Wastewater Collection & Transmission Project & Key West Resort Utility Upgrades. Islamorada, Florida. 2013 – 2015. Civil Engineer for Weiler Engineering Corp. Michael assisted the engineer of record with the design of a city-wide vacuum sewer system. Michael performed during construction phase services including daily site visits, reviewing as-builts and observing hydrostatic testing on installed piping.



JOHN SINN, EI
 Engineer Associate, Ardurra Group



<p>PROJECT ROLE Construction Engineering and Inspection</p> <p>BUSINESS ADDRESS 405 Golfway West Drive Suite 201A St. Augustine, FL 32095</p> <p>PHONE NUMBER Office: 904-562-2185</p> <p>EMAIL ADDRESS Email: jsinn@ardurra.com</p>	<p>EDUCATION BS, Environmental Engineering, Florida Gulf Coast University, 2017</p> <p>YEARS OF EXPERIENCE Total: 4 With this firm: 3</p> <p>PROFESSIONAL REGISTRATION EI, 1100022109</p>
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KEY QUALIFICATIONS

Mr. Sinn is an Engineering Associate in Ardurra’s St. Augustine office, supporting projects in North Florida. Prior to graduation, he worked as an Engineer Intern for the St. Johns River Water Management District, where his duties included storm water quality modeling, and EMC literature review and analysis of a biosolids inventory database for northeast Florida. After graduation, he worked as an Engineer Intern at Weiler Engineering in the Florida Keys for two years where his duties included beach restoration, state park improvement projects, and more. Prior to joining Ardurra, Mr. Sinn’s experience included site inspection, CAD drafting, design calculations, Pre-Bid documentation, SewerCAD modeling, and project management. John provides support to all aspects of projects including project management, engineering design, hydraulic analysis, permitting, bidding, and construction engineering and inspection services.

RELEVANT PROJECT EXPERIENCE

St. Johns County Waterway Access Master Plan Evaluation, St. Johns County Public Works Department, FL. Mr. Sinn was the Assistant project Engineer of an evaluation of the St. Johns County’s public waterway access condition assessment in 2022. The scope of work was to collect site data and develop alternative restoration solutions to each waterway access park and provide an opinion of probable construction cost for the alternative restoration options.

Post Matthew and Irma FEMA Category B Emergency Berm, St. Johns County, FL. Mr. Sinn was the senior inspector of the staging area for the Ponte Vedra segment of the Post Matthew and Irma Category B emergency berm project in 2022. Responsibilities included inspecting the quality of work done by the contractor, providing daily reports of observations, and communicating with the County and contractor’s project manager on any violations relating to the permit and the project specifications.

Sombrero Beach Hurricane Irma Recovery, Marathon, FL. Sombrero beach was damaged during Hurricane Irma in 2017, requiring replacement of sidewalks, irrigation, landscape, dunes, beach sand, water to bathrooms and showers, and a boardwalk. As Assistant Project Engineer, Mr. Sinn assisted with the storm drainage, dune renourishment with sea oats, beach sand renourishment, sidewalks, and landscape design. He also drafted the construction plan set, managed permitting with the USACE and FDEP, managed the Pre-bid documentation and specifications, managed all construction documentation including RFIs, Submittals, COs, and T&Ms, and managed all close-out documentations of the project.



RICARDO ESCOBAR, PE, CGC
 Construction Project Manager, Ardurra Group



<p>PROJECT ROLE Construction Administration</p> <p>BUSINESS ADDRESS 8600 NW 17th Street, Suite 200, Doral, FL 33126.</p> <p>PHONE NUMBER Office: 786-228-5666</p> <p>EMAIL ADDRESS Email: rescobar@ardurra.com</p>	<p>EDUCATION BS, Civil Engineering, University of Miami, 1994</p> <p>BS, Architectural Engineering, University of Miami, 1994</p> <p>YEARS OF EXPERIENCE Total: 30 With this firm: 2</p> <p>PROFESSIONAL REGISTRATION PE, Florida, 74877 General Contractor, Florida, CGC1521520811</p>
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KEY QUALIFICATIONS

Mr. Escobar is a Professional Engineer and Certified General Contractor with 30+ years of experience at all levels of Construction Management for multi-million-dollar projects. He has been involved in a range of projects requiring coordination with various governmental agencies including FDOT Florida’s Turnpike Enterprise and Miami-Dade County Expressway Authority. Ricardo’s expertise includes bridge construction and inspection, surveying and roadway construction, utilities installation, relocation of water and sewer systems, relocation of electrical systems, segment erection, concrete and steel structures, and testing materials. His experience spans through the day-to-day management of construction operations, and quality control measures and includes oversight and review of daily inspection reports and quantity computations. Since joining Ardurra, Ricardo has participated in the constructability reviews of several complex projects.

RELEVANT EXPERIENCE

I-395/SR 836/I-95 Reconstruction Design-Build, Miami-Dade County, MDX & FDOT District 6. *Deputy Design Manager and Constructability Reviewer* for this Design-Build project, (working with the Archer Western – de Moya Group Joint Venture). Ricardo is responsible for coordinating the contractor’s tasks with the designers involved in the project. This I-395/SR 836/I-95 Design-Build project is a reconstruction project that improves capacity and safety in three of Miami-Dade’s highways: SR 836, I-95 and I-395. This project boasts a double-decker over the SR 836 and the Miami River, new lanes on I-95, a new signature bridge on I-395 over Biscayne Boulevard, and a 55-acre Heritage Trail underneath I-395 which will forever connect Downtown Miami and will revitalize the Overtown community.

SR 836 Interchange Modifications at NW 87 Avenue, Miami-Dade Expressway Authority*. *CEI Project Manager* for this project which provides operational improvements of the SR 836 interchange at NW 87 Avenue including a modified connection to Section 5 of the Palmetto Expressway project and direct connection to SR 836 west from NW 12 Street via a flyover ramp. The interchange concept also eliminates the current weaving condition between the westbound Collector Distributor Road and the entrance ramp from northbound NW 87 Avenue to westbound SR 836. The project involves seven new bridges and the reconstruction of two toll plaza locations.





CHERYL MILLER
 President, Principal Scientist, Coastal Eco-Group

<p>PROJECT ROLE Principal Scientist</p> <p>BUSINESS ADDRESS Suite 104 Deerfield Beach, FL 33441</p> <p>PHONE NUMBER Office: (954) 591-1219</p> <p>EMAIL ADDRESS Email: cmiller@coastaleco-group.com</p>	<p>EDUCATION MS, Biological Sciences, Florida Atlantic University, 2000</p> <p>BS, Marine Biology, Florida Atlantic University, 1996</p> <p>BA, University of Pennsylvania, 1992</p> <p>YEARS OF EXPERIENCE Total: 28 With this firm: 19</p>
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KEY QUALIFICATIONS

Cheryl Miller has about 28 years of professional experience in environmental planning and permitting, project management, NEPA compliance and documentation, benthic habitat mapping, and marine ecological surveys, including seagrass, coral reef, nearshore hardbottom, and artificial reefs. Prior to establishing Coastal Eco-Group Inc. in 2005, Ms. Miller was employed as an Environmental Specialist with the FDEP, Bureau of Beaches and Coastal Systems, where she conducted the regulatory and ecological review of environmental resource and joint coastal permit applications.

RELEVANT PROJECT EXPERIENCE

Ponte Vedra Beach Nourishment Project, St. Johns County, FL. 2020-2021. Project Manager for the NEPA Environmental Assessment (EA) and ESA Section 7 Biological Assessment (BA) in conjunction with BOEM. Lead Scientist for hardbottom verification dives of side-scan sonar surveys of the offshore borrow area and submerged pipeline corridors. Primary Author of the EFH assessment and benthic habitat characterization report.

Flagler County Beach Nourishment Project, Flagler County, FL. 2019-2020. Project Manager and Principal Reviewer of the NEPA EA and ESA Section 7 BA in conjunction with BOEM. This was the first project coordinated under the 2020 SARBO.

South Amelia Island Beach Renourishment Project, Nassau County, FL. 2009-2021. Principal Author of the NEPA EA and BA for the 2011 & 2021 renourishment projects. Conducted analyses of potential impacts to estuarine and marine resources. Authored EFH assessment and evaluated project effects on nesting and foraging habitat for shorebirds.

Bathtub Beach/Sailfish Point Beach Nourishment Projects, Martin County, FL. 2010-Present. Principal Scientist and Project Manager for the 2010, 2016, 2017/18, 2021 & 2024 renourishment projects. Primary Author and Project Manager for the BA and EA including development of a cumulative effects review template for the USACE for overlapping project elements at St. Lucie Inlet.

Various Hilton Head Beach Nourishment Projects, SC. 2010-Present. • Project Manager and Primary Author of the EA and BA and for the 2011/2012 Port Royal Sound Shoreline Restoration and Stabilization Project (Hilton Head, SC); 2014 Ocean Point Shoreline Interim Beach Fill Project (Hilton Head, SC); and 2016 & 2025 Hilton Head Beach Nourishment Projects.





MELISSA SATHE
 Senior Scientist, Coastal Eco-Group

<p>PROJECT ROLE Senior Scientist</p> <p>BUSINESS ADDRESS Suite 104 Deerfield Beach, FL 33441</p> <p>PHONE NUMBER Office: (954) 591-1219</p> <p>EMAIL ADDRESS Email: msathe@coastaleco-group.com</p>	<p>EDUCATION MS, Marine Sciences, Nova Southeastern University, 2008</p> <p>BS, Ecology and Evolutionary Biology, Tulane University, 2000</p> <p>YEARS OF EXPERIENCE Total: 16 With this firm: 7</p>
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KEY QUALIFICATIONS

Melissa Sathe has more than 16 years of professional experience in offshore project management, benthic habitat characterization and mapping, and marine ecological surveys, including coral reef, nearshore hardbottom, artificial reef, and seagrass. Prior to joining Coastal Eco-Group in 2017, Melissa assisted in the management of biological monitoring and reef injury impact assessments for coral reefs in southeast Florida at the Florida Department of Environmental Protection’s Coral Reef Conservation Program (FDEP CRCP) from 2012–2017. Prior to FDEP CRCP, Melissa was the field coordinator for the offshore monitoring program at Miami-Dade County’s Division of Environmental Resources Management (DERM). Offshore monitoring at DERM included beach nourishment projects and artificial reef permitting projects. From 2004–2007, Melissa was a research assistant at Nova Southeastern University and supported the project management for offshore hardbottom monitoring during Segment III beach nourishment activities in Broward County, FL.

RELEVANT PROJECT EXPERIENCE

NEPA and ESA Section 7 Project Experience. Senior Scientist and Primary/Contributing Author for the preparation of ESA Section 7 Biological Assessments and NEPA Environmental Assessments and associated environmental permitting support and compliance assistance for the following projects:

- Hilton Head Beach Renourishment Project (2023-2024)
- Ponte Vedra Beach, FL Nourishment Project (2020-2021)
- Flagler County Beach and Dune Restoration Project (2019-2021)
- Amelia Island Shore Stabilization Project (2018-2021)
- Flagler County Beach and Dune Restoration Project (2019-2021)
- Broward County Shore Protection Project Segment III (2019-2021)
- Longboat Key North End Structural Stabilization Project (2018-2019)
- Restoration and Periodic Nourishment of Manasota Key, Charlotte County, FL (2017-2018)

Bathtub Beach Sailfish Point Beach Nourishment Project, Martin County, FL. (2017-2024). Conducted biological monitoring and assessment of nearshore hardbottom including digital video transects, sedimentation surveys, and in situ quadrats. Assist with development of annual permit-required hardbottom monitoring reports and GIS maps.





FRANK J. SAWYER

President, Arc Surveying & Mapping

<p>PROJECT ROLE Chief Hydrographer</p> <p>BUSINESS ADDRESS 5202 San Juan Ave Jacksonville, FL 32210</p> <p>PHONE NUMBER Office: (904) 384-8377</p> <p>EMAIL ADDRESS Email: fsawyer@arcsurveyors.com</p>	<p>EDUCATION Orange Park High School</p> <p>YEARS OF EXPERIENCE Total: 33 With this firm: 33</p> <p>PROFESSIONAL REGISTRATION Merchant Mariner #501973 Hypack Certified Hydrographer</p>
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KEY QUALIFICATIONS

Mr. Sawyer has over thirty-three (33) years of surveying, mapping and computing experience. He has performed numerous hydrographic surveys for ACOE, FDOT, Port Authorities and various other clients and is proficient with all types of positioning and depth sounding equipment, Differential Global Positioning (DGPS) and Real Time Kinematic (RTK). He is experienced in the use of multibeam swath and single and dual frequency depth sounders, Ground Penetrating Radar (GPR), side-scan sonar, geophysical systems, sub-bottom profilers and magnetometers. Mr. Sawyer specializes in hydrographic surveys and is capable of collecting, processing, computing and mapping. Mr. Sawyer is a Hypack/Hysweep expert, well know and respected for his ability to assist in software development and installation.

RELEVANT PROJECT EXPERIENCE

St. Augustine Shipyard Marina – St. Augustine, FL. Hydrographic Survey of Marina Lift Basin and Vessel Dockage Area.

St. Augustine Shipyard South Dock – St. Augustine, FL. Hydrographic survey of proposed South dockage areas, locate water strcutres including docks, bulkheads, aids to navigation and signage.

NDT Investigation/Abandoned Piling San Sebastian Inlet, St. Augustine, FL. Hydrographic, side-scan and sub-bottom sonar survey performed to identify objects lying on or protruding above the river bottom and identify buried pilings.

St. Augustine Shipyard UAV/Topographic Survey, St. Augustine, FL

Villages of Vilano Marina, St. Augustine Beach, FL. Topographic and Hydrographic Surveying in support of dredging design. Topographic survey to include pier or docks, bulkhead, shoreline, aids to navigation, boat ramps and associated features; Hydrographic soundings of the approaches and basin of the existing marina; Create dredge design template and perform volume computations.

St. Augustine Inlet, St. Augustine, FL. Hydrographic and topographic survey for establishing locations of seven ADCP’s in and around St. Augustine, FL.

St. Augustine Inlet/Sebastian River/ICWW at Matanzas Inlet/Discharge channel ICWW-5 miles/RTK Topographic survey of small ICWW channel in support of Marine Dredging Project. Performed multibeam and single beam hydrographic surveys and topographic surveys.





RICHARD J. SAWYER, PSM, CH
 Chief Surveyor, Arc Surveying & Mapping

<p>PROJECT ROLE Certified Hydrographer Professional Surveyor & Mapper, FAA Drone Pilot</p> <p>BUSINESS ADDRESS 5202 San Juan Ave Jacksonville, FL 32210</p> <p>PHONE NUMBER Office: (904) 384-8377</p> <p>EMAIL ADDRESS Email: rsawyer@arcsurveyors.com</p>	<p>EDUCATION AS, Civil Engineering Technology, Florida Community College, 1989</p> <p>Shallow Water Multibeam Training, U.S and Canadian Hydrographic Commission, University of New Brunswick, 1996</p> <p>YEARS OF EXPERIENCE Total: 35 With this firm: 25</p> <p>PROFESSIONAL REGISTRATION Florida PSM No. LS0006131 ACSM CH Certified Hydrographer No. 194 FAA Drone Pilot #3958472</p>
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KEY QUALIFICATIONS

Mr. Sawyer is a Professional Surveyor and Mapper, as well as an ACSM Certified Hydrographer, with over thirty-five (35) years of experience in large-scale design, marine engineering, Coastal mapping and dredging surveys. Mr. Sawyer offers to our clients dozens of years of experience and knowledge pertaining to the standards, technologies, and data presentation for charting of inland and coastal water bodies and their littoral land areas. His current responsibilities include all facets of project management, field to finish, for surveying and mapping on large scale engineering design, geodetic, coastal, marine, dredging and hydrographic mapping projects.

RELEVANT PROJECT EXPERIENCE

Flagler County Florida Beach Monitoring and Rock Outcropping Survey. Acquire topographic & UAV LiDAR data along 8 miles of shoreline.

St. Johns County Florida Beach Monitoring Profiles. Topographic and Bathymetric survey approximately 10 miles of coastline in St Johns County.

St. Johns County Florida Berm Restoration. Topographic and UAV LiDAR survey along South and North Ponte Vedra Beach for new Dune construction.

St. Johns County Florida Mean High Water Line and Erosion Control Survey. Perform and establish new ECL for approximately 5 miles of shoreline incorporated by State of Florida and St John County.

Bureau of Beaches & Coastal Systems Florida State-Wide Monitoring Surveys. Acquisition of topographic and bathymetric survey data in Escambia County, Florida.

St Johns County Florida Summer Haven and Mantanzas Inlet. Topographic, UAV LiDAR and Hydrographic Survey for Coastal Management Study.

St. Johns County Florida Offshore Borrow Site Underwater Remote Sensing Survey 2017. Multibeam, Sidescan Sonar and Magnetometer Survey of offshore dredge borrow site.





L. PALMER McCLELLAN
 President, Athena Technologies

<p>PROJECT ROLE Field Team Leader</p> <p>BUSINESS ADDRESS P.O. Box 68 McClellanville, SC 29458</p> <p>PHONE NUMBER Office: (843) 887-3800</p> <p>EMAIL ADDRESS Email: palmer_mcclellan@athenatechnologies.com</p>	<p>CERTIFICATIONS U.S. Coast Guard Certified 100-ton Master Captain OSHA 40-Hour HAZWOPER Training/ w 8 Hour Refresher OSHA 30-Hour Construction Safety Training First Aid/CPR/AED PADI Open Water Certification</p> <p>YEARS OF EXPERIENCE Total: 41 With this firm: 26</p>
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KEY QUALIFICATIONS

Palmer McClellan joined Athena in 1998 and quickly became integral to providing high quality services to our clients. Mr. McClellan is a U.S. Coast Guard-certified, 100-ton Master Captain and serves as Athena’s most senior field team leader on nearly every project. Mr. McClellan also designs and oversees fabrication of our custom equipment and vessels, which allows for a high level of operational efficiency during field events. Mr. McClellan has led geotechnical and environmental vibracore sampling projects in inshore and offshore environments ranging from New York to Texas, and the Caribbean. Before starting his career at Athena, Mr. McClellan worked for 15 years in the commercial fishing and shrimping industries, which gives him unique and sharp insights with regards to safe vessel operation in various dynamic marine settings.

Mr. McClellan has led field teams for NAVFAC projects at NS Norfolk, NAS Norfolk, JEB Little Creek, Norfolk Naval Shipyard and NWS Yorktown, as well as projects along the Elizabeth River and offshore of Virginia Beach. These projects were frequently completed ahead of schedule and under budget due to his ability to maximize field time and understanding of the lower Chesapeake area. During 2020, he has led large scale field efforts (100+ vibracore samples) at Mobile, Alabama; Wrightsville Beach, North Carolina; and San Juan, Puerto Rico as well as smaller projects in Illinois, Georgia, Florida, and North Carolina.

Mr. McClellan will be responsible for leading field operations and supervising vibracore operations and will be ultimately responsible for crew and vessel safety. Mr. McClellan has undergone 40-Hour OSHA HAZWOPER Training, OSHA Fall Safety Training, 30-Hour OSHA Construction Supervisor Training, and maintains CPR/First Aid/AED certification.

Mr. McClellan’s ingenuity and extensive experience working in a range of marine environments has allowed us to expand our capabilities, improve our sampling equipment, and refine our sample collection methodology to better serve our clients.





BRIAN SIMMONS
 Master Captain, Athena Technologies

<p>PROJECT ROLE Master Captain</p> <p>BUSINESS ADDRESS P.O. Box 68 McClellanville, SC 29458</p> <p>PHONE NUMBER Office: (843) 887-3800</p> <p>EMAIL ADDRESS Email: Brian_simmons@athenatechnologies.com</p>	<p>CERTIFICATIONS USCG 100 Ton Master; OSHA; TWIC; STCW; SafeGulf; SafeLand; Rigger Certified; CPR; First Aid; HUET Trained; Life Boat; Advanced Firefighting; Hazwoper; Hazcom; Atmospheric Testing; Fall Protection; Confined Space; Forklift; Asbestos Awareness; Blood Bourne Pathogens Awareness; Offshore Protected Species Observer Training</p> <p>YEARS OF EXPERIENCE Total: 8 With this firm: 6</p>
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KEY QUALIFICATIONS

Mr. Simmons is the captain aboard our 77’ research vessel, M/V Thunderforce. Captain Simmons is in charge of vessel operations, including vibracoring, surveying and other marine support operations. His responsibilities include coordination of all vessel activities, the crew and any vessel maintenance or repairs. As the vessel’s safety officer, he oversees the welfare of the passengers, crew and the vessel itself. Captain Simmons’ experience extends throughout the eastern seaboard of the U.S., the Gulf of Mexico and the Caribbean.

RELEVANT PROJECT EXPERIENCE

Ponte Vedra Beach, St. Johns County, FL. 2020. Vibracoring was performed in an offshore borrow area for beach nourishment at Ponte Vedra Beach. This field investigation follows a 2019 reconnaissance level project previously conducted by us with Taylor Engineering which explored 3 offshore areas – SJ-1, SJ-2, SJ-3. This new investigation further explored SJ-3, located in federal waters 3.0 - 4.7 nautical miles offshore of the south end of Ponte Vedra Beach. Collected 40 vibracores to depths of 20’ below sea bottom or to refusal.

St. Johns County Vibracores, Offshore of North Ponte Vedra, FL. 2019. St. Johns County intended to develop a beach re-nourishment program for the northern most beaches (North Ponte Vedra) of the county which did not currently have a re-nourishment program in place. The USACE identified several sources of beach quality sand offshore St. Johns County that could serve as borrow sites for beach restoration north of St. Augustine Inlet. In support of a reconnaissance level investigation of potential borrow sites tailored for restoration of Ponte Vedra Beach, our data collection was comprised of 26 vibracore samples to 20’. The reconnaissance phase evaluated various potential sand sources and recommended a specific site and data collection plan for the subsequent detail phase of the investigation.

Offshore Vibracores – Area 3A, Flagler County, FL. 2023. For beach renourishment efforts, vibracore sampling was performed offshore of Flagler County. The exploratory area was approximately 10 nautical miles offshore located halfway between St. Augustine Inlet to the north and Ponce Inlet to the south. During the sampling operations, 50 vibracores to 20’ below the ocean floor or to refusal were collected.



STEPHEN R. JAMES, MA, RPA
 Director of Maritime Division, Chronicle Heritage



<p>PROJECT ROLE Cultural Resource Management Operations Supervisor</p> <p>BUSINESS ADDRESS 1406 West Government St Pensacola, FL 32502</p> <p>PHONE NUMBER Office: (901) 229-4200</p> <p>EMAIL ADDRESS Email: sjames@chronicleheritage.com</p>	<p>EDUCATION MA, Anthropology, Institute of Nautical Archaeology, Texas A&M, 1985</p> <p>BA, Anthropology, Memphis State University, 1979</p> <p>YEARS OF EXPERIENCE Total: 30+ With this firm: 30+</p> <p>PROFESSIONAL REGISTRATION RPA</p>
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KEY QUALIFICATIONS

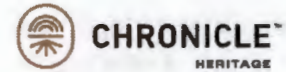
Director of Commonwealth Heritage Group’s Maritime Division, Mr. James has over 30-years’ experience as a maritime archaeologist. Mr. James has directed and managed submerged cultural resource projects of all types throughout the United States, the Caribbean, South Pacific, and Southeast Asia. He has acted as Project Manager and/or Principal Investigator on IDIQs for the Minneapolis/St. Paul, Detroit, Sacramento, Jacksonville and New York, Mobile, Philadelphia, Savannah, and Wilmington U.S. Army Corps of Engineer Districts. His experience includes extensive experience for other federal and state agencies, corporations, and non-profit organizations. Mr. James is thoroughly familiar with federal preservation laws and regulations, preservation compliance, site evaluation, the National Register process, and formulation and implementation of predictive modeling. He is responsible for developing CHG’s remote sensing survey capabilities which include satellite positioning and navigation systems, terrestrial and marine magnetometers, sidescan sonar systems and subbottom profilers. He is also responsible for developing CHG’s diving capabilities including development of Dive Operations and Safety Plans, all geared predominantly to Surface Supplied systems for their inherent safety factor. Certified by the Register of Professional Archaeologists since 1985, Mr. James is a graduate of the U.S. Army Corps of Engineers Dive Supervisor and Safety Course, Florida Keys Community College, Key West.

RELEVANT PROJECT EXPERIENCE

- 2021. Project Manager/Principal Investigator, Miami-Dade Submerged Cultural Resources Management Survey, Miami, Florida, 2021 – USACE Jacksonville District.
- 2019. Project Manager, Davis Shores Shoal Investigations Associated with the Archaeological Diver Identification of Remote Sensing Anomalies in the St. Augustine Flood Shoal and Intercostal Waterway Project, St. Johns County, Florida. Conducted for the USACE, Jacksonville District.
- 2019. Project Manager/Principal Investigator, Submerged Cultural Resources Survey and Terrestrial Archaeological and Magnetometer Survey for the Mid-Reach Sand Stockpile, Brevard County, Florida. USACE, Jacksonville District.
- 2018. Project Manager/Principal Investigator, Canaveral Harbor Sand Bypass, Submerged Cultural Resources Survey and Archaeological Reconnaissance Survey, Brevard County, Florida. USACE, Jacksonville District.



JUSTIN MILEWSKI, ABT
 Maritime Archaeologist, Chronicle Heritage



<p>PROJECT ROLE Remote Sensing Specialist</p> <p>BUSINESS ADDRESS 1406 West Government St Pensacola, FL 32502</p> <p>PHONE NUMBER Office: (610) 906-2847</p> <p>EMAIL ADDRESS Email: jmilewski@chronicleheritage.com</p>	<p>EDUCATION MA, Historical Archaeology, University of West Florida BA, Anthropology, University of West Florida, 2017</p> <p>YEARS OF EXPERIENCE Total: 3 With this firm: 3</p>
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KEY QUALIFICATIONS

Since joining Chronicle Heritage in 2021 Mr. Milewski has served as a Remote Sensing technician, as well as GIS technician on cultural resources investigations conducted for the USACE, Jacksonville, New York, Charleston, and Philadelphia Districts. He is skilled in the processing of collected data and in the utilization of our in-house state-of-the-art HYPACK MAX® software for remote sensing survey navigation and data acquisition, and Sonar WizMap® sidescan mosaicking software. Mr. Milewski has previous experience as a Maritime archaeologist with the University of West Florida conducting remote sensing surveys and underwater excavations on sites throughout the Pensacola, Florida area. Mr. Milewski also has previous experience as a terrestrial archaeologist on all phases of cultural resources investigations with various companies throughout the southeastern United States.

RELEVANT PROJECT EXPERIENCE

Submerged Cultural Resources Survey and Diver Investigation, Folly River Federal Navigation Channel and Folly Beach Nearshore, Charleston County, South Carolina, 2023 – Coastal Environments, Inc. and USACE Charleston District. Field Director, Remote Sensing Specialist. Two week submerged cultural resources survey employing magnetometer, sidescan sonar, and subbottom profiler survey.

Submerged Cultural Resources Survey of the Tampa Bay Channel for the Tampa Bay Navigation Improvement Study, 2022 - USACE Jacksonville District. Remote Sensing Specialist. Four week submerged cultural resources survey employing magnetometer, sidescan sonar, and subbottom profiler survey.

Savannah Harbor Expansion Project Archaeological Monitoring, Savannah, Georgia, 2022 – Weeks Marine, Inc., and USACE Jacksonville District. Maritime Archaeologist. Archaeological monitoring and artifact analysis for dredging operations of a 2,100-foot section of the Savannah River.

Miami-Dade Submerged Cultural Resources Management Survey, Miami, Florida, 2021 – USACE Jacksonville District. Maritime Archaeologist/Remote Sensing Technician/GIS Technician. Submerged cultural resources survey of 50 linear miles in the Bal Harbor Inlet complex and South Miami Beach nearshore areas.





TARA DODSON

Co-Founder/Project Manager/Lead Biologist, Coastal Conservation Group

<p>PROJECT ROLE Lead Biologist</p> <p>BUSINESS ADDRESS St. Augustine, Florida 32080</p> <p>PHONE NUMBER Office: (904) 814-2172</p> <p>EMAIL ADDRESS Email: Tara@coastalconservationgroup.com</p>	<p>EDUCATION MBA, Sustainability and Environmental Compliance Florida Southern New Hampshire University, 2018</p> <p>BS, Biology Sierra Nevada College, 2002</p> <p>YEARS OF EXPERIENCE Total: 22 With this firm: 1</p> <p>PROFESSIONAL CERTIFICATIONS Marine Turtle Permit Volunteer – #023 Vilano Marine Turtle Permit Volunteer – #090 St. Augustine Marine Turtle Permit Volunteer – #056 South Ponte Vedra Certified Shorebird Monitor</p>
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KEY QUALIFICATIONS

Ms. Dodson managed the St. Johns County beaches Habitat Conservation Plan and Incidental Take Permit for 17 years prior to co-founding Coastal Conservation Group (CCG) in 2023. Ms. Dodson brings extensive knowledge and experience in marine turtle monitoring and relocations, shore/sea/migratory bird monitoring, marking of nesting sites, escarpment surveys, coastal lighting assessments, beach mice habitat identification, gopher tortoise relocation, presence & absence surveys, marine mammal surveys, habitat assessments, and environmental permitting data collection and reporting requirements as they relate to coastal construction projects. With extensive local familiarity, CCG can develop paths of efficiency with the regulations and time constraints that surround St. Johns County coastal projects. CCG’s knowledge and background allow them to work closely and efficiently with design teams, engineers, consultants, varying federal, state and local agencies as well as stakeholders.

RELEVANT PROJECT EXPERIENCE

FEMA Dune Restoration, St. Johns County, FL. Sub-consultant and leading team member performing the duties as lead biologist and project manager. Responsibilities include:

- Marine Turtle Permit Holder (MTPH) for St. Augustine Beach and South Ponte Vedra
- Permitted in coordination with Crescent Beach MTPH to perform relocations
- Performed daily monitoring activities for marine turtles, shorebirds and gopher tortoises
- Relocated marine turtle nests
- Collected required endangered species data
- Maintained daily presence on beach coordinating volunteers and equipment
- Participated in consultant and contractor coordination meetings
- Performed weekly escarpment surveys and bi-monthly Piping Plover surveys
- Completed endangered species reports related to each project.





ROBERT FRASER

Co-Founder/Field Manager/Support Biologist, Coastal Conservation Group

<p>PROJECT ROLE Field Manager, Support Biologist</p> <p>BUSINESS ADDRESS St. Augustine, Florida 32080</p> <p>PHONE NUMBER Office: (904) 505-4052</p> <p>EMAIL ADDRESS Email: Bob@coastalconservationgroup.com</p>	<p>EDUCATION AS, Civil Engineering Technology, Florida Community College, 1989</p> <p>Shallow Water Multibeam Training, U.S and Canadian Hydrographic Commission, University of New Brunswick, 1996</p> <p>YEARS OF EXPERIENCE Total: 12+ With this firm: 1</p> <p>PROFESSIONAL REGISTRATION Marine Turtle Permit Volunteer – #023 Vilano Marine Turtle Permit Volunteer – #090 St. Augustine Marine Turtle Permit Volunteer – #056 South Ponte Vedra Gopher Tortoise Relocation Permit GTA – #00023 Certified Shorebird Monitor</p>
---	---

KEY QUALIFICATIONS

Mr. Fraser brings extensive knowledge and experience in marine turtle monitoring and relocations, shore/sea/migratory bird monitoring, marking of nesting sites, escarpment surveys, coastal lighting assessments, beach mice habitat identification, gopher tortoise relocation, presence & absence surveys, marine mammal surveys, habitat assessments, and environmental permitting data collection and reporting requirements as they relate to coastal construction projects.

RELEVANT PROJECT EXPERIENCE

St. Johns County projects. Sub-consultant and assistant team member performing the duties as support biologist and field manager, Marine Turtle Permit Holder (MTPH) for St. Augustine Beach and South Ponte Vedra, permitted in coordination with Crescent Beach MTPH to perform relocations, performed daily monitoring activities for marine turtles, shorebirds and gopher tortoises, relocated marine turtle nests, collected required endangered species data, maintained daily presence on beach coordinating volunteers and equipment, participated in consultant and contractor coordination meetings. Performed services for the following projects:

- FEMA Dune Restoration, St. Johns County, FL, May 2023–December 2024.
- Army Corps of Engineers South Ponte Vedra and Vilano Coastal Storm Risk Management (CSR) Project and Engineers St. Augustine Beach Shore Protection Project (SPP), May 2023–December 2024.
- FEMA Dune Restoration MTPH for St. Augustine Beach & Crescent Beach, March 2022–September 2022.
- South Ponte Vedra CSR and Crescent Beach FEMA Project. April 2021–August 2021.
- South Ponte Vedra/Vilano CSR. June 2020–October 2020.
- St. Augustine Beach Shore Protection Project (SPP). April 2018–July 2018.





ALEXANDRA CARVALHO, PHD, GISP
 President and Principal, CMAR Consulting

<p>PROJECT ROLE GIS Specialist</p> <p>BUSINESS ADDRESS 7990 Baymeadows Rd. E. #308 Jacksonville, Florida 32256</p> <p>PHONE NUMBER Office: (904) 993-4806</p> <p>EMAIL ADDRESS Email: alexandra@cmarconsulting.com</p>	<p>EDUCATION PhD, Oceanography Florida Institute of Technology, 2000</p> <p>Graduate Postbaccalaureate Certificate in GIS Pennsylvania State University, 2017</p> <p>Licenciatura Marine Biology and Fisheries Universidade do Algarve, Portugal, 1993</p> <p>YEARS OF EXPERIENCE Total: 26 With this firm: 13</p> <p>CERTIFICATIONS GISP #67414</p>
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KEY QUALIFICATIONS

Dr. Carvalho founded CMAR Consulting, LLC (CMAR), an MBE certified small business, in 2011. Dr. Carvalho has supported or managed more than 100 projects, for private and government clients.

RELEVANT PROJECT EXPERIENCE

St. Johns County GIS Data Analysis and Reporting. Prepared GIS products for reports and presentations to the County commissioners; conducted spatial data analysis; prepared GIS products in support of state and federal grant applications for hurricanes Mathew, Irma, Ian, and Nicole recovery efforts. GIS products included maps showing reach extents, shoreline ownership and cost sharing eligibility; borrow area location and characterization; public beach access inventory and damage assessment. In support of 2017 FEMA grant application, determined before and after Hurricane Mathew beach access damage assessments, calculating distances between structures/infrastructure and the shoreline.

FEMA Dune Enhancement Project, St. Johns County, FL. 2022. Work consisted of (1) GIS data analysis and reporting and (2) design maintenance of a Web map application. CMAR performed a Gopher Tortoise burrow location analysis and imported and exported data to Google Earth format for easier use by County Engineers. CMAR created ESRI ArcGIS versions of the construction templates and other baseline data and assembled a web map application that provided a project overview, tutorial, and 24-hour access and project progress updates for the public. Weekly construction updates showed completed and projected beach fill and dune planting progress.

South Ponte Vedra Beach Dune Restoration. Work consisted of (1) design and data upload of the project ESRI ArcGIS geodatabase, which included consolidating baseline, permitting, construction, and immediate post-construction data into a geodatabase; identifying data gaps; and tracking missing datasets; and (2) design maintenance of Web map applications. Assembled and updated daily (during construction) two web map applications that provided a project overview, tutorial, and 24-hour access and project progress updates to the County, project team and the public. Weekly updates (during construction) consisted in showing completed and projected beach fill and dune planting progress, sand ramps, pipeline locations and active pipeline corridors, as well as a link to the dredge’s locations.





KELLY MARSHALL, PE
 Senior Project Engineer, Meskel & Associates Engineering

<p>PROJECT ROLE Geotechnical Engineer</p> <p>BUSINESS ADDRESS 3728 Philips Highway, Suite 208 Jacksonville, Florida 32084</p> <p>PHONE NUMBER Office: (904) 519-6990</p> <p>EMAIL ADDRESS Email: kmarshall@meskelengineering.com</p>	<p>EDUCATION B.S., Civil Engineering, University of North Florida, 2010</p> <p>YEARS OF EXPERIENCE Total: 17 With this firm: 1</p> <p>PROFESSIONAL REGISTRATION P.E., Florida, 53951</p>
---	--

KEY QUALIFICATIONS

Ms. Marshall has over 17 years of Construction Engineering Inspection (CEI), geotechnical engineering, and materials testing experience. She is skilled in making technical judgments based on interpretations of contract drawings and specifications and has successful experience in full contract administration, oversight of progress and final estimates, contract modifications, CPM scheduling reviews and the management of inspection staff.

RELEVANT PROJECT EXPERIENCE

Hammock Dunes Beach Sand Restoration from Jungle Hut to Varn Park, Palm Coast, FL. 2017. Due to the heavy erosion caused by Hurricane Matthew, dune restoration in this area of Palm Coast became a priority. Ms. Marshall was responsible for overseeing the sampling, testing, and statistical analysis of the beach sand in addition to coordinating weekly inspections of the progress and on-site verification of materials placed.

St. Johns County/Jones Edmunds & Associates, Inc., Ponte Vedra Boulevard Pavement Evaluation, Ponte Vedra, FL. 2021. This project consisted of determining the cause of settlement within new roadway. The roadway construction was part of a Jacksonville Electric Authority (JEA) project to replace the existing watermain, individual water meters and services, and several fire hydrants on Ponte Vedra Boulevard and Solana Road in Ponte Vedra Beach, Florida. For the evaluation, Ms. Marshall reviewed material type, the quantity of material, and compaction of material.

City of Jacksonville, CEI Services for the Mayport Docks Redevelopment, Duval County. 2021. This lump sum project included the construction of a 200 LF dock and 110LF landing pier to berth new research vessels. Construction also included the construction of a 110" floating dock and landing, electrical, sewer, water, and lighting services to the dock and drainage improvements to the existing site. All work to construct the dock was in accordance with FDOT Bridge Specifications and Standards. Kelly provided CEI project management and inspection services for this dock project.





FREDERICK HORGAN
 President, Sonographics

<p>PROJECT ROLE Marine Geophysicist</p> <p>BUSINESS ADDRESS 640 NW 21st Street Wilton Manors, FL 33311</p> <p>PHONE NUMBER Office: (954) 803-3192</p> <p>EMAIL ADDRESS Email: rick@sonographics.com</p>	<p>EDUCATION ABS Mechanical Engineering - Wentworth Institute, 1967 Diploma Physical Oceanography Northeastern University, 1967 Diplomas US Navy Class A-Electronics-1967 Diplomas US Navy Class A, Sonar-1967 Diploma US Navy Class C-Oceanography-1968 Diploma ACSM Hydrography-1985 Long Base Line Acoustic Navigation 1989 & 1997 Sonardyne, Ltd. Acoustic Image Processing-1990-Triton Elics Intl, Inc.</p> <p>YEARS OF EXPERIENCE Total: 54 With this firm: 23</p>
--	--

KEY QUALIFICATIONS

Frederick Horgan has 54 years of experience focusing on marine geophysical surveying and services including data acquisition, interpretation, and presentation of results. He has extensive knowledge of the geophysical and acoustic technological principles, theories, and standards associated with the production of sonar mosaics, isopach maps, and magnetic anomaly recording. He has performed over 172 marine geophysical surveys including over 35 cultural resource surveys. He is an experienced electronic technician and has been involved in the design, manufacture, installation, and repair of geophysical survey equipment. He is especially familiar with the operation of, and post processing of data associated with side-scan sonars, sub-bottom profilers, marine magnetometers, and navigation systems and software. He has performed tasks at all levels of search and survey operations from 0 to 20,000 feet of water.

RELEVANT PROJECT EXPERIENCE

Ponte Vedra Beach – Geophysical/Cultural Resource Surveys of Borrow Area & Pipeline Corridors. Employing the EdgeTech SB-512i chirp system, the Geometrics G-882 Cesium magnetometer, & EdgeTech 4200 digital dual frequency side-scan sonar systems.

St. Johns County – Sand Borrow Area N3 Geophysical/Cultural Resource Surveys. Employing the EdgeTech SB-512i chirp sub-bottom profiler system, the Geometrics G-882 cesium marine magnetometer, & EdgeTech 4200 digital dual frequency side-scan sonar systems.

North St. Johns County, FL – Sand Borrow Area Survey. Employing the EdgeTech SB-512i chirp sub-bottom profiler system, the Geometrics G-882 cesium marine magnetometer, & EdgeTech 4200 digital dual frequency side-scan sonar systems.

Amelia Island, FL – Sand Resource Survey on Ebb Shoal. Sub-bottom profiler survey employing the EdgeTech SB-512i chirp system. Performed survey, data interpretation, analysis & mapping of data including sand isopach and contour maps.





CHRISTOPHER HORGAN
 Vice President, Sonographics

<p>PROJECT ROLE Marine Geophysicist</p> <p>BUSINESS ADDRESS 640 NW 21st Street Wilton Manors, FL 33311</p> <p>PHONE NUMBER Office: (954) 566-0620 Cell: (954) 618-8819</p> <p>EMAIL ADDRESS Email: cjhorgan@gmail.com</p>	<p>EDUCATION BS, Telecommunications Production University of Florida, 2002</p> <p>YEARS OF EXPERIENCE Total: 20 With this firm: 20</p> <p>PROFESSIONAL CERTIFICATION BOEM Protected Species Observer Certificate</p>
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KEY QUALIFICATIONS

Christopher Horgan has 20 years of experience performing marine geophysical surveying and services including .data acquisition, interpretation, and presentation of results. He has extensive knowledge of the geophysical and acoustic technological principles, theories, and standards associated with the production of sonar mosaics, isopach maps, and magnetic anomaly recording. He has performed over 119 marine geophysical surveys including over 20 cultural resource surveys. He is especially familiar with the operation of, and post processing of data associated with side-scan sonars, sub-bottom profilers, marine magnetometers, and navigation systems and software. He is a certified protected species observer and has performed as such on numerous geophysical surveys providing reporting and documentation as required by BOEM and other agencies.

RELEVANT PROJECT EXPERIENCE

- Ponte Vedra Beach – Geophysical/Cultural Resource Surveys of Borrow Area & Pipeline Corridors. 2020.** Side-scan, sub-bottom & magnetometer survey. Protected Species observer.
- St. Johns County – Sand Borrow Area N3 Geophysical/Cultural Resource Surveys. 2019.** Side-scan, sub-bottom & magnetometer survey. Protected Species observer.
- North St. Johns County, FL – Sand Borrow Area Survey. 2019.** Side-scan, sub-bottom & magnetometer survey. Protected Species observer.
- Flagler Beach, FL. 2019.** Sonar mosaic and feature map of hard bottom areas & pipeline corridors.
- St. Lucie County, FL. 2023.** Sonar survey, mosaic, and hard bottom mapping for beach project extension.
- Estero Island, FL. 2023.** Pipeline corridors Cultural Resource Survey
- Port Everglades Inlet. 2023.** Sand bypass sonar mapping survey and mosaic.
- Baldwin County, AL.2022.** Geophysical/Cultural Resource Survey for sand transport pipeline routes.
- Longboat Key, FL. 2020.** Sonar survey & mosaic hard bottom mapping for sand transport pipeline routes.
- Vero Beach, FL. 2020.** Sonar survey & mosaic hard bottom mapping for sand transport pipeline routes.
- Frenchman’s Reef, USVI. 2020.** Geophysical Sand Search Survey, sonar mosaic and feature map.



INTERA-GEC Sunbiz Report

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Foreign Limited Liability Company
INTERA-GEC, LLC

Filing Information

Document Number M20000006994
FEVEIN Number 85-2403537
Date Filed 08/12/2020
State TX
Status ACTIVE

Principal Address

9600 GREAT HILLS TRL
#300W
AUSTIN, TX 78759

Mailing Address

9600 GREAT HILLS TRL
#300W
AUSTIN, TX 78759

Registered Agent Name & Address

REGISTERED AGENT SOLUTIONS, INC.
2894 REMINGTON GREEN LANE
SUITE A
TALLAHASSEE, FL 32308

Address Changed: 04/27/2023

Authorized Person(s) Detail

Name & Address

Title MBR

LAVENUE, A. MARSH
9600 GREAT HILLS TRL #300W
AUSTIN, TX 78759

Title MGR

GOSELIN, MARK
2114 NW 40TH TERRACE, #A-1
GAINESVILLE, FL 32605



Title Authorized Representative

MELHEM, BONNIE
9600 GREAT HILLS TRL #300W
AUSTIN, TX 78759

Title MBR

BRADBERRY, JOHN
8282 GOODWOOD BLVD.
BATON ROUGE, LA 70806

Title MGR

FONTAINE III, CHARLES T
8282 GOODWOOD BLVD.
BATON ROUGE, LA 70806

Title Authorized Representative

MARKLAND, ERIC
9600 GREAT HILLS TRL #300W
AUSTIN, TX 78759

Annual Reports


Report Year	Filed Date
2022	01/26/2022
2023	01/11/2023
2024	01/09/2024

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Licensee Information

Name:	INTERA-GEC, LLC (Primary Name)
	INTERA-GEC, LLC (DBA Name)
Main Address:	9600 GREAT HILLS TRAIL #300W AUSTIN Texas 78759
County:	OUT OF STATE

License Information

License Type:	Engineering Business Registry
Rank:	Registry
License Number:	34334
Status:	Current
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Licensee Information

Name:	INTERA INCORPORATED (Primary Name)
Main Address:	3025 LAKE PADGETT DR LAND O LAKES Florida 33558
County:	PASCO

License Information

License Type:	Engineering Business Registry
Rank:	Registry
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Status:	Current
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LICENSEE DETAILS

Licensee Information

Name:	GEC- GULF ENGINEERS & CONSULTANTS, INC. (Primary Name)
Main Address:	8282 GOODWOOD BLVD. BATON ROUGE Louisiana 70806
County:	OUT OF STATE

License Information

License Type:	Engineering Business Registry
Rank:	Registry
License Number:	27657
Status:	Current
Licensure Date:	07/26/2007
Expires:	

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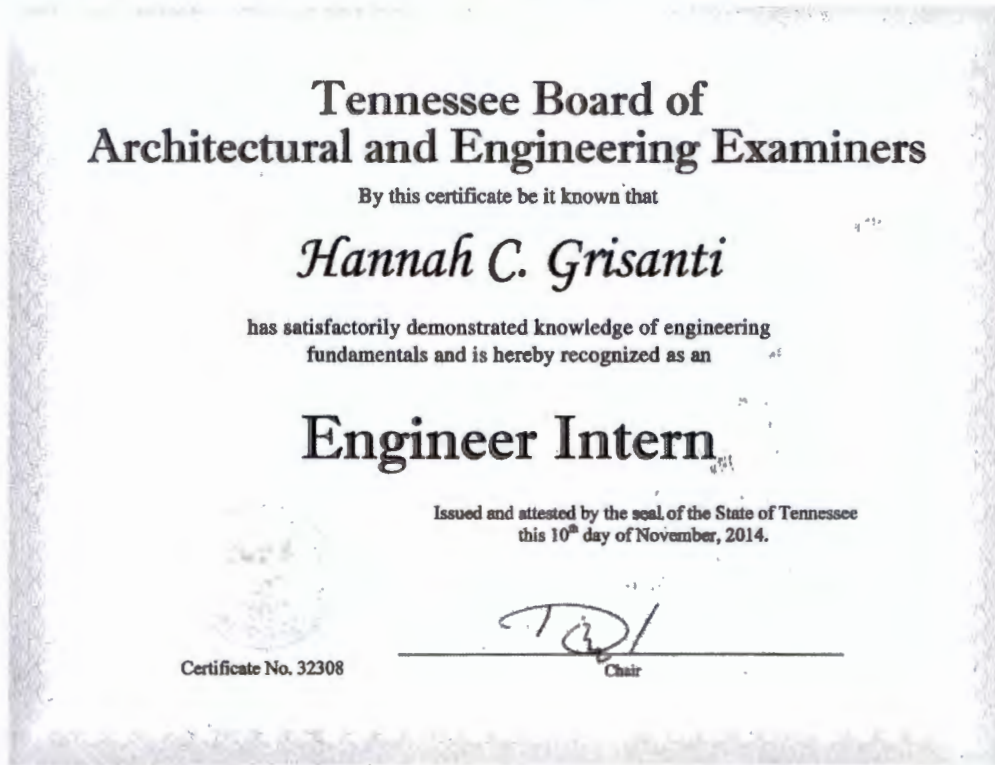
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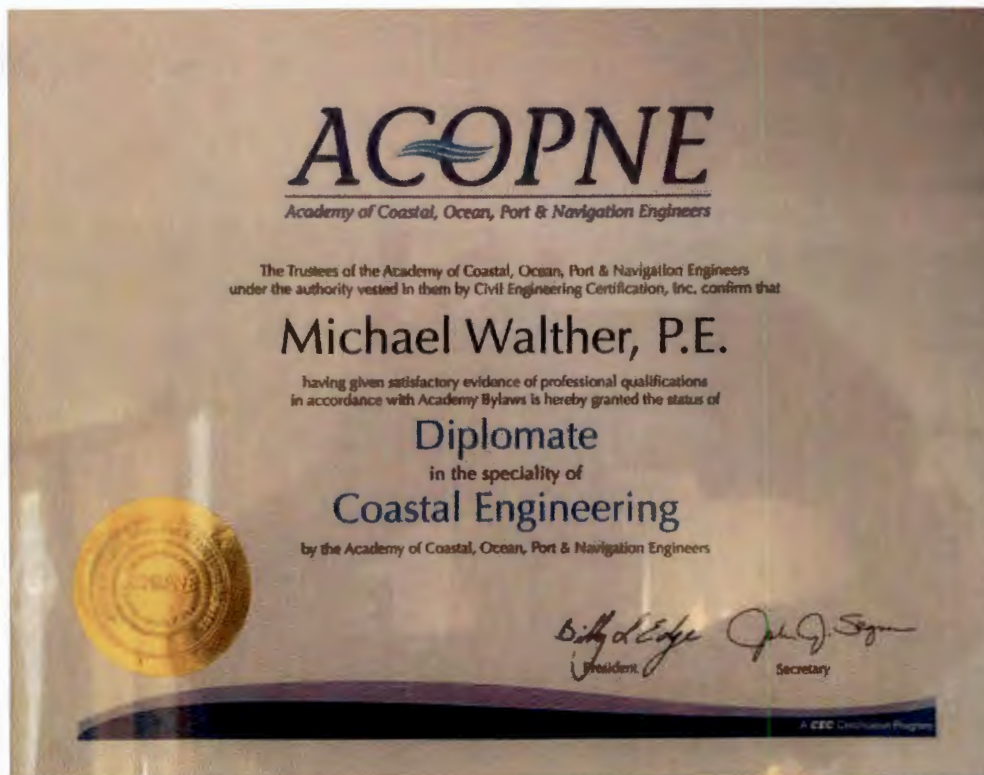
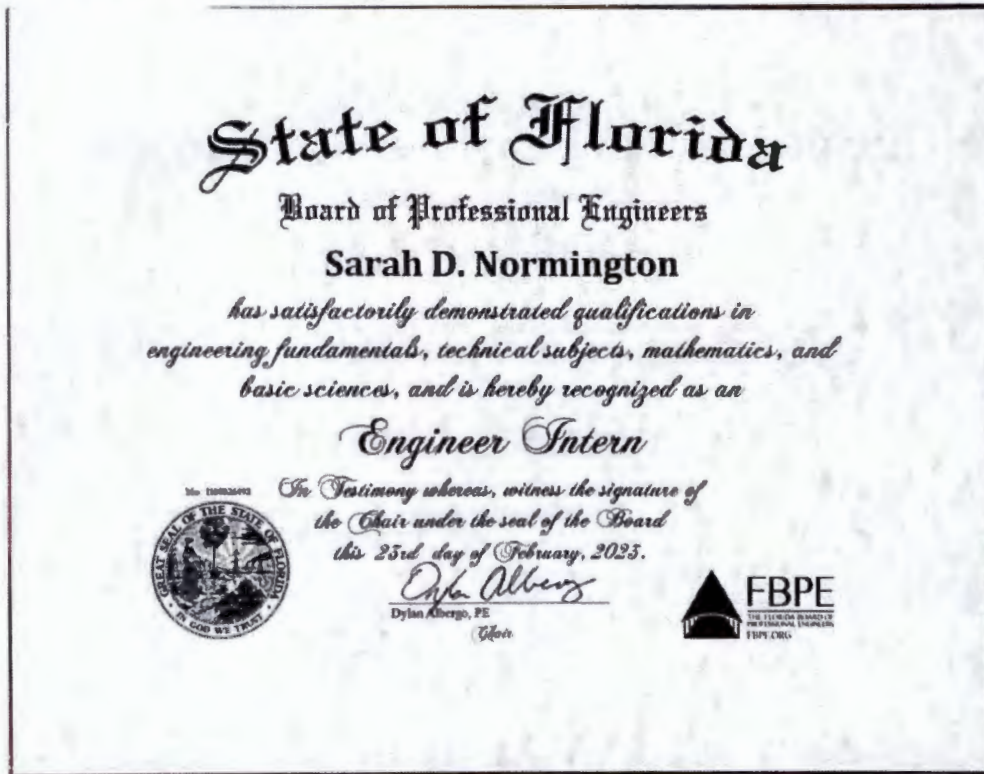
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Main Address:	1600 WEST BEACH DRIVE PANAMA CITY Florida 32401
County:	BAY

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Rank:	Eng Intern
License Number:	1100017659
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Licensee Information

Name:	ARDURRA GROUP LLC (Primary Name)
Main Address:	4921 MEMORIAL HWY, SUITE 300 TAMPA Florida 33634
County:	HILLSBOROUGH


License Information

License Type:	Engineering Business Registry
Rank:	Registry
License Number:	31332
Status:	Current
Licensure Date:	08/10/2015
Expires:	



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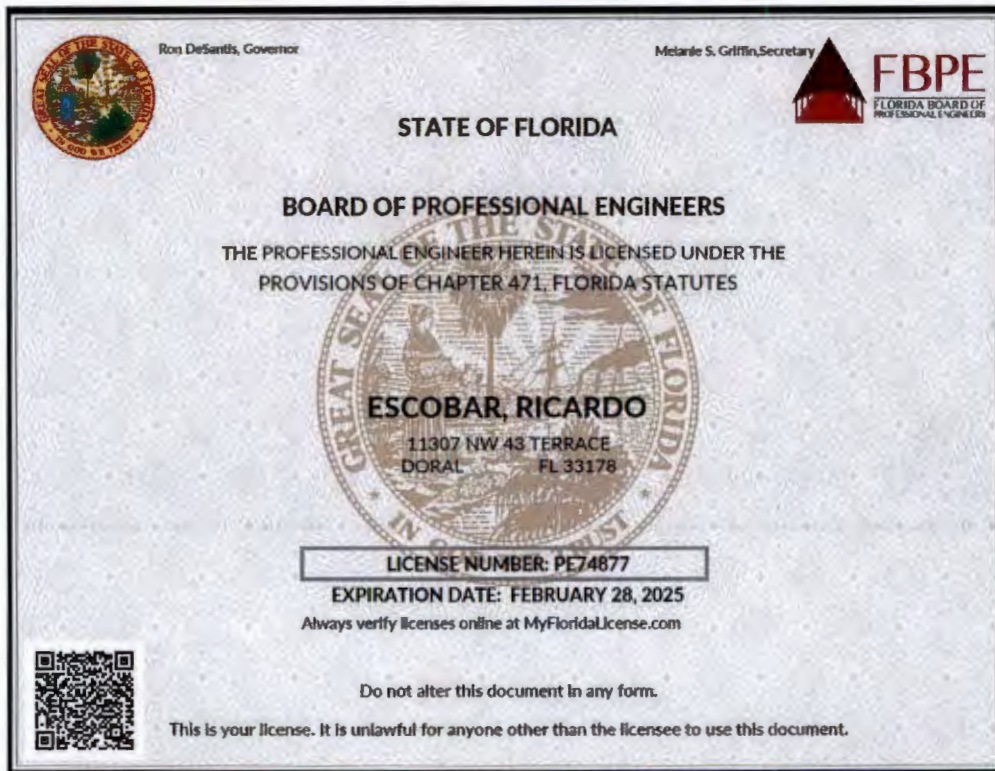
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Division of Consumer Services
Board of Professional Surveyors and Mappers
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License No.: **LB6487**
Expiration Date February 28, 2025

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

ARC SURVEYING & MAPPING INC
5202 SAN JUAN AVE
JACKSONVILLE, FL 32210-3140

WILTON SIMPSON
COMMISSIONER OF AGRICULTURE

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



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

License No.: **LS6131**
Expiration Date February 28, 2025

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

RICHARD JOHN SAWYER
5202 SAN JUAN AVE
JACKSONVILLE, FL 32210-3140

WILTON SIMPSON
COMMISSIONER OF AGRICULTURE

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Licensee

Name:	SEXTON, WALTER JEROME	License Number:	PG2594
Rank:	Professional Geologist	License Expiration Date:	07/31/2024
Primary Status:	Current	Original License Date:	05/26/2009
Secondary Status:	Active		


Related License Information

License Number	Status	Related Party	Relationship Type	Relation Effective Date	Rank	Expiration Date
	Current	ATHENA TECHNOLOGIES, INC.	Professional Geologist	09/11/2009	Geology Business Information	

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LICENSEE DETAILS 10:13:22 AM 2/17/2024

Licensee Information

Name:	SEXTON, WALTER JEROME (Primary Name)
	ATHENA TECHNOLOGIES, INC. (DBA Name)
Main Address:	6498 WALDEN POND LANE SOUTHPORT North Carolina 28461
County:	OUT OF STATE
License Location:	27 SHORELINE DRIVE FLORENCE OR 97439
County:	OUT OF STATE

License Information

License Type:	Professional Geologist
Rank:	PG
License Number:	PG2594
Status:	Current,Active
Licensure Date:	05/26/2009
Expires:	07/31/2024



Sub-Consultants Licenses and Certifications (continued)

*State of Florida
Department of State*

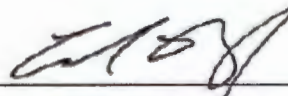
I certify from the records of this office that CMAR CONSULTING, LLC is a limited liability company organized under the laws of the State of Florida, filed on March 9, 2011, effective March 8, 2011.

The document number of this limited liability company is L11000029122.

I further certify that said limited liability company has paid all fees due this office through December 31, 2024, that its most recent annual report was filed on January 18, 2024, and that its status is active.

*Given under my hand and the
Great Seal of the State of Florida
at Tallahassee, the Capital, this
the Eighteenth day of January,
2024*




Secretary of State

Tracking Number: 4969042528CC

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

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

Sub-Consultants Licenses and Certifications (continued)

State of Florida

**Woman & Minority Business
Certification**

CMAR CONSULTING, LLC

Is certified under the provisions of
287 and 295.187, Florida Statutes, for a period from:
02/19/2024 to 02/19/2026



J. Todd Inman
Florida Department of Management Services



FLORIDA DEPARTMENT OF MANAGEMENT SERVICES
● ● ● SUPPLIER DIVERSITY

Office of Supplier Diversity
4050 Esplanade Way, Suite 330
Tallahassee, FL 32399
850-487-0915
www.dms.myflorida.com/osd



This certifies that

Maria Alexandra S.A. Carvalho

*has met the standards for ethical conduct and professional practice as established by the
GIS Certification Institute for recognition as a*

**Certified Geographic Information Systems (GIS)
Professional (GISP)**

and is therefore entitled to all the rights and privileges thereunder.

*This grant of certification shall expire or be deemed inactive on 4/30/2025
unless, by that date, the individual shall have successfully completed recertification.*

Certification Number 6744 Date of Initial Certification 4/25/2011



Martin Roche, GISP
GISCI President



Anthony A. Spicci, GISP
GISCI Executive Director

Subcontractor Licenses and Certifications (continued)



Subcontractor Licenses and Certifications (continued)



**Stephen
James MA**

RPA (Founding)



Registrant ID: 11432

Renewal date: 1 Jan 2025



**Francis
Stankiewicz Mast
of Maritime**
RPA (Unaffiliated)



Registrant ID: 5105

Renewal date: 1 Jan 2025

Subcontractor Licenses and Certifications (continued)

Florida dbpr Department of Business & Professional Regulation

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9:04:33 AM 2/14/2024

ONLINE SERVICES

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LICENSEE DETAILS

Licensee Information

Name:	MESKEL & ASSOCIATES ENGINEERING, PLLC (Primary Name)
Main Address:	3728 PHILIPS HWY SUITE 208 JACKSONVILLE Florida 32207
County:	DUVAL

License Information

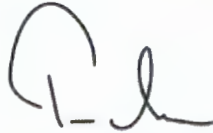
License Type:	Engineering Business Registry
Rank:	Registry
License Number:	28142
Status:	Current
Licensure Date:	06/10/2008
Expires:	

State of Florida

**Woman Business
Certification**

Meskel & Associates Engineering, PLLC

Is certified under the provisions of
287 and 295.187, Florida Statutes, for a period from:
05/04/2023 to 05/04/2025





J. Todd Inman
Florida Department of Management Services

FLORIDA DEPARTMENT OF MANAGEMENT SERVICES
● ● ● SUPPLIER DIVERSITY

Office of Supplier Diversity
4050 Esplanade Way, Suite 300
Tallahassee, FL 32399
850-487-0915
www.dms.myflorida.com/ood

Subcontractor Licenses and Certifications (continued)


 Ron DeSantis, Governor

Melanie S. Griffin, Secretary 

STATE OF FLORIDA

BOARD OF PROFESSIONAL ENGINEERS


THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE
PROVISIONS OF CHAPTER 471, FLORIDA STATUTES


MARSHALL, KELLY ANN
1795 GRASSINGTON WAY SOUTH
JACKSONVILLE FL 32223

LICENSE NUMBER: PE78539

EXPIRATION DATE: FEBRUARY 28, 2025

Always verify licenses online at MyFloridaLicense.com



Do not alter this document in any form.

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INTERA-GEC Certificate of Insurance

Client#: 914933 INTERINC22
ACORD CERTIFICATE OF LIABILITY INSURANCE DATE (MM/DD/YYYY)
 6/31/2023

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

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


PRODUCER USI Insurance Services LLC -CL 4630 North Loop 1604 West Suite 410 San Antonio, TX 78249		CONTACT NAME: Danelle Touchstone PHONE (A/C, No, Ext): 210 366-0671 FAX (A/C, No): 610 537-1904 E-MAIL ADDRESS: danelle.touchstone@usi.com	
INSURED INTERA Incorporated 9600 Great Hills Trl Suite 300W Austin, TX 78769		INSURER(S) AFFORDING COVERAGE INSURER A: Lloyd's of London NAIC # SURPLU INSURER B: Hartford - WC Multiple Issuing Cos 00914 INSURER C: Sentinel Insurance Company Ltd. 11000 INSURER D: INSURER E: INSURER F:	

COVERAGES CERTIFICATE NUMBER: REVISION NUMBER:

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

INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> Pollution Liability <input checked="" type="checkbox"/> BI/PD DED \$10,000 GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input checked="" type="checkbox"/> LOC OTHER:		ENVP00025423	06/01/2023	06/01/2024	EACH OCCURRENCE \$1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$300,000 MED EXP (Any one person) \$25,000 PERSONAL & ADV INJURY \$1,000,000 GENERAL AGGREGATE \$2,000,000 PRODUCTS - COM/POP AGG \$2,000,000 \$
C	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS NON-OWNED AUTOS ONLY		65UECZR3402	06/01/2023	06/01/2024	COMBINED SINGLE LIMIT (Ea accident) \$1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$		ENVX00020623	06/01/2023	06/01/2024	EACH OCCURRENCE \$6,000,000 AGGREGATE \$6,000,000 \$
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	N/A	65WBOL6H7Y	06/01/2023	06/01/2024	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$1,000,000 E.L. DISEASE - EA EMPLOYEE \$1,000,000 E.L. DISEASE - POLICY LIMIT \$1,000,000
A	Professional Liab Retroactive Date		ENVP00025423	06/01/2023	06/01/2024	\$2,000,000 Aggregate \$1,000,000 Per Claim \$100,000 Deductible

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

CERTIFICATE HOLDER For Bidding Purposes Only	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE 
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Section 3: Related Experience

The following table shows select related experience in eight coastal engineering service areas intimated in the RFQ and performed by INTERA-GEC’s and Ardurra’s, a key sub-consultant, staff in the last 10 calendar years. The project descriptions following the table detail our firms’ specific experience on 15 relevant projects, which appear first in the table. Notably, the INTERA-GEC Team includes eight specialty sub-consultants, all of which have conducted relevant work in northern St. Johns County, primarily on projects for the County, including all phases of:

- South Ponte Vedra Beach Dune Restoration Project (Arc Survey & Mapping, Athena Technologies, Chronicle Heritage, CMar Consulting, Coastal Conservation Group, and Sonographics);
- Ponte Vedra Beach Restoration Project (Arc Survey & Mapping, Athena Technologies, Coastal Eco-Group, and Sonographics);
- Post-Hurricane Matthew FEMA Emergency Berm Project (Arc Survey & Mapping, Coastal Conservation Group, and Cmar Consulting); and
- Post-Hurricanes Ian and Nicole FEMA Emergency Berm Project (Arc Survey & Mapping, Coastal Conservation Group, and CMar Consulting).

Please refer to Section 2 resumes for our sub-consultants’ select work experience.

Notably, as detailed in Section 2, our sub-consultant Coastal Eco-Group brings valuable experience with preparation of biological and environmental assessments related to beach fill placement and offshore borrow area dredging and coordination with Bureau of Ocean Energy Management (BOEM). For the Ponte Vedra Beach Nourishment Project (2020-2021), Principal Scientist Cheryl Miller served as Project Manager for the National Environmental Policy Act (NEPA) Environmental Assessment (EA) and Endangered Species Act (ESA) Section 7 Biological Assessment (BA) in conjunction with BOEM. Ms. Miller served as Lead Scientist for hardbottom verification dives of side-scan sonar surveys of the offshore borrow area and submerged pipeline corridors as well as primary author of the Essential Fish Habitat (EFH) assessment and benthic habitat characterization report. Coastal Eco-Group provided similar services for other northeast Florida beach restoration projects, including the Flagler County Beach Nourishment Project (2019-2020) and the South Amelia Island Beach Renourishment Project (2009-2021), and others throughout the state. Their knowledge and experience regarding environmental matters will facilitate a smooth and expeditious design and permitting process and execution of a Negotiated Noncompetitive Agreement for Use of Outer Continental Shelf Sand, Gravel, and/or Shelf Resources between the County and BOEM.

Our Project Manager, Michael Trudnak, has assisted with the design and/or permitting of nearly 30 beach restoration/nourishment projects covering approximately 55 miles of shoreline. Constructed projects, for which Mr. Trudnak provided construction administration services (i.e., for non-federal projects) or served as the non-federal sponsor’s engineering representative during construction (i.e., for federal projects) have placed 9,700,000 cubic yards of sand along 39 miles of shoreline. His experience, combined with extensive similar experience from the INTERA-GEC Team’s deep bench of coastal engineers and our ability to meet with County staff at a moment’s notice, will allow us to deliver a project that meets, if not exceeds, the County’s goals.

The INTERA-GEC Team experience outlined above and detailed in the following pages demonstrates our in-depth knowledge of and familiarity with the potential engineering, environmental, and societal challenges related to this project.



Table 3.1 Summary of INTERA-GEC’s and Ardurra’s Staff Experience

Project (Client, Name)	Coastal Engineering Services							
	Beach Fill Design and Permitting	Borrow Area Design and/or Permitting	Construction Plans & Specifications	Construction Costs & Schedule	Community Engagement	Bidding Assistance	Construction Administration Services	Environmental Monitoring
St. Lucie County, FL, South County Beach & Dune Restoration	X	X	X	X	X	X	X	X
Santa Rosa County, FL, Navarre Beach Dune and Berm Nourishment Project	X	X	X	X	X	X	X	X
Indian River County, FL, Sector 7 Beach & Dune Restoration Project	X	X	X	X	X	X	X	X
St. Johns County, FL, 2022 South Ponte Vedra Beach Dune Restoration Project ²	X		X	X	X	X	X	X
St. Johns County, FL, Post-Hurricanes Matthew and Irma FEMA Category B Dune Recovery Project ^{1,2}	X		X	X	X	X	X	X
St. Johns County, FL, FEMA Category B Emergency Berms, Post-Hurricanes Ian and Nicole – Countywide Assessment of Beach Damage and Estimation of Eligible Replacement Sands ^{1,2}				X				X
St. Johns County, FL, FEMA Category G Project, Post-Hurricanes Ian and Nicole – Assessment of Beach Damage and Estimation of Eligible Replacement Sands, South Ponte Vedra Beach Dune Restoration Project ^{1,2}				X				X
St. Johns County, FL, St. Johns County Shore Protection Project, Anastasia State Park and St. Augustine Beach ²	X		X	X	X	X	X	X
Flagler County Post-Storm Dune Restoration	X		X				X	X
Volusia County, FL, New Smyrna Beach Post-Nicole Beach Restoration	X	X	X	X	X			
Volusia County, FL, Daytona Beach – Ponce Inlet Beach Restoration	X		X	X	X			
St. Johns County, FL, South Ponte Vedra Park Dune Restoration	X		X	X		X	X	X
St. Johns County, FL, Alpine Groves Park Shoreline Restoration			X	X		X	X	X
St. Johns County, FL, Study of Summer Haven River and Surrounding Areas	X	X		X	X			



Project (Client, Name)	Coastal Engineering Services							
	Beach Fill Design and Permitting	Borrow Area Design and/or Permitting	Construction Plans & Specifications	Construction Costs & Schedule	Community Engagement	Bidding Assistance	Construction Administration Services	Environmental Monitoring
Development of Rehabilitation Recommendations for SR A1A in Flagler and Volusia Counties	X		X	X	X			
St. Johns County, FL, Reconnaissance Phase Sand Source Investigation for Northern St. Johns County	X	X		X				
St. Johns County, FL, South Ponte Vedra Beach Dune Restoration Project Design and Permitting ³	X	X						
St. Johns County, FL, Summer Haven Beach Maintenance Project	X	X	X					
St. Augustine Port, Waterway & Beach District, Summer Haven River Restoration	X	X	X	X	X	X	X	X
FDOT District 5, S.R. A1A Roadway Permanent Repairs - Segments 1 & 3, Flagler County, FL	X		X					
St. Lucie County, FL, Fort Pierce Inlet Sediment Impoundment Basin Design, Permitting, and Bid Administration		X	X	X				
St. Lucie County, FL, Fort Pierce Beach 2020 Emergency Truck Haul Project	X		X	X			X	X
St. Lucie County, FL, Fort Pierce Beach 2017 Beach Fill via ICWW Maintenance Dredging	X	X					X	X
St. Lucie County, FL, Fort Pierce Shore Protection Project 2015 Nourishment							X	X
St. Lucie County, FL, Fort Pierce Beach 2014 Beach Fill via Harbor Maintenance Dredging	X	X					X	X
Martin County, FL, Martin County Shore Protection Project 2018 Nourishment	X						X	
Texas General Land Office, Rollover Pass Inlet Closure, Galveston County, FL	X		X	X	X	X	X	X
Brevard County, FL, Long Point Park Shoreline Stabilization			X	X		X	X	

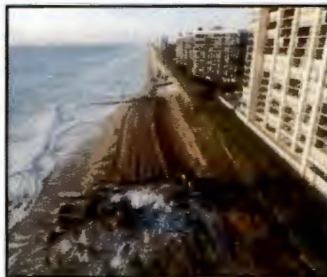
¹Required compliance with FEMA project criteria.

²Project performed by Ardurra Group.

³Coordinated with BOEM and submitted required documentation to obtain a Negotiated Noncompetitive Agreement for Use of Outer Continental Shelf Sand, Gravel, and/or Shelf Resources.



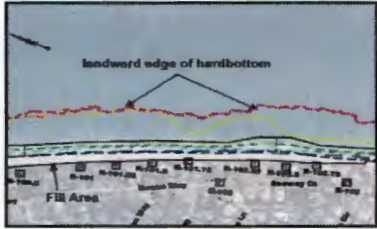
Project Title:	<i>St. Lucie County South County Beach & Dune Restoration</i>
Location:	Hutchinson Island, Florida
Owner Name:	St. Lucie County – Joshua Revord, P.E., Director of Port, Inlet & Beaches
Address/Phone/Email:	1001 Harbor Street, Fort Pierce, FL 34950 / 772-462-1269 / revordj@stlucieco.org
Project Award and Completion Dates:	2004 to present; 2013 (Construction) & 2022 (Construction)
Project Cost:	Design/Professional Services: ~ \$3M Construction: ~ \$7.5M (2013); \$10M (2022)
Description:	<p>In September 2004, St. Lucie County suffered the impact of both hurricanes Frances and Jeanne. The U.S. Army Corps of Engineers (USACE) had just completed a Reconnaissance Study of the south County beaches, which concluded that a basis existed for a potential federal project, and had initiated a Feasibility Study. However, local interests requested the County construct an interim non-federal project to protect upland infrastructure and property. GEC assisted with all phases of the project, which won American Shore and Beach Preservation Association's (ASBPA) 2015 Best Restored Beaches award. Among the services provided, GEC:</p> <ul style="list-style-type: none"> • conducted a simplified "NED" analysis of alternatives to formulate the recommended plan; • provided environmental services to map and characterize existing benthic resources within and surrounding the project area; • identified hardbottom impacts and negotiated (with County, FDEP, USACE, and NMFS staff) mitigation requirements for unavoidable impacts to hardbottom; • formulated the design to allow project construction using either an upland or offshore sand source; • assisted the County with formulation of (1) the 2013 non-federal regional construction project with Martin County, leading to state funding for the project and (2) an acceptable federal USACE project. • Supervised construction, which placed 635,164 cubic yards (cy) of sand along 3.4 miles of shoreline in 2013. <p>In 2022, USACE constructed the initial nourishment of the Coastal Storm Risk Management Project with a placement of 387,035 cy of sand using an offshore borrow area. For this initial nourishment, GEC assisted the County in fulfilling the local sponsor obligations by providing "in-kind" services including reviewing the USACE's beach template design, borrow area design, technical specifications, permit application package, assisted the County with obtained the construction easements, provided public outreach services, performed pre- and post-construction biological and physical monitoring. GEC continues to perform annual permit-required monitoring and reporting for the 2022 beach-fill construction project as well as similar "in-kind" services for the next nourishment project expected as soon as November 2025. In addition, GEC has assisted the County with beach access improvements to maximize federal cost-share for the USACE project.</p>
Relevance to RFQ:	Design, public outreach, permitting, environmental monitoring, bidding assistance, and construction oversight for the placement of beach fill material.



Project Title:	<i>Navarre Beach Dune and Berm Nourishment Project</i>
Location:	Navarre Beach, Florida
Owner Name:	Santa Rosa County – Michael Schmidt, PE, Environmental & Public Works Director
Address/Phone/Email:	6051 Old Bagdad Highway, Ste. 301, Milton FL 32583 / 850-981-7135 / michaels@santarosa.fl.gov
Project Award and Completion Dates:	2000 to present
Project Cost:	Design/Professional Services: ~ \$3.5M Construction: ~ \$18M (2006 construction); \$12.9M (2016 construction)
Description:	<p>GEC has provided feasibility-level analysis, design and permitting services, bid and construction administration, and post-construction monitoring to Santa Rosa County since 2000 for the restoration and subsequent renourishment of Navarre Beach as summarized below.</p> <p>On October 4, 1995, the Florida Panhandle was just recovering from Hurricane Erin when Hurricane Opal made landfall about 15 miles east of Navarre Beach; the dune was significantly overtopped and extensive damage occurred to upland properties. Subsequent storms eventually prompted the County to undertake a 2002 Feasibility Study to provide “for beach management and implementation guidance”. The feasibility study identified the project objective to re-establish (1) the dune as a critical storm protection feature and (2) recreational beach and associated economic benefits.</p> <p>Initial restoration occurred in 2006 with placement of 2,900,000 cubic yards (cy) of sand over 4.1 miles of beach. The project employed an offshore borrow area with nearly pure quartz “sugar” sand per local and state standards. This project won an American Shore and Beach Preservation Association (ASBPA) 2010 “Best Restored Beach” award.</p> <p>In 2008, Hurricanes Gustav and Ike impacted Navarre Beach with storm surge and wave runup reaching to about +14 feet NAVD causing minor overtopping of the dune. The project performed as designed and protected upland structures from wave damage; however, the western terminus of the fill area significantly eroded. FEMA partially funded a truck-haul event to restore this small area and maintain the project.</p> <p>Tropical Storm Debby and Hurricane Isaac subsequently impacted the project area, leading to \$2.3M of FEMA funding for storm repairs. The resulting renourishment project, completed in 2016, placed 1,350,000 cy of sand, dredged from the offshore borrow area. Over 130 turtles were relocated with no “take” allowing the 2016 construction to be completed smoothly. GEC continues to perform annual permit-required monitoring and reporting for the 2016 project and design, permitting, and bidding phase services for a renourishment anticipated to commence in September 2024.</p>
Relevance to RFQ:	Design, permitting, public outreach, environmental monitoring, bidding assistance, and construction oversight for the placement of beach fill material.



Project Title:	Sector 7 Beach & Dune Restoration Project
Location:	Indian River County, Florida
Owner Name:	Indian River County – Eric Charest, Natural Resources Manager
Address/Phone/Email:	1801 27 th Street, Vero Beach, FL 32960 / 772-226-1569 / echarest@ircgov.com
Project Award and Completion Dates:	2018 to present
Project Cost:	Design/Professional Services: ~ \$790,000 Construction: ~ \$9.5M (opinion of probable cost)
Description:	<p>Indian River County's <i>Beach Preservation Plan</i> divides the County's barrier island beaches into eight reaches extending from Sebastian Inlet southwards to the St. Lucie County line. The plan identifies nourishment of the County's critically eroded beaches including, in part, Sector 7 with about two miles of shoreline predominantly fronted by nearshore hardbottom and backed by single-family residences on the uplands. Initial construction of the Sector 7 feeder beach project, completed in May 2007, placed about 362,000 cubic yards (cy) of sand dredged from a permitted offshore borrow area. In 2018, GEC initiated planning and design of this Sector 7 Renourishment Project with the objective to maximize fill volumes for beach habitat and storm protection while avoiding hardbottom impacts. In concert with permit applications, Florida Department of Environmental Protection (FDEP) required an updated mapping and characterization of the nearshore hardbottom, which GEC helped complete in February 2020. FDEP and USACE permits have been obtained and construction is expected once the County can obtain the required construction easements. GEC:</p> <ul style="list-style-type: none"> • assisted the County with obtaining construction easements from upland property owners, • evaluated existing offshore geotechnical data to delineate proposed borrow area for construction, • assisted the County with identification and pre-qualification of upland sand sources, • formulated design using offshore or upland sand sources, • performed updated hardbottom mapping and characterization and revised design to avoid hardbottom impacts, • prepared Construction Plans and Technical Specifications, • is currently assisting the County with obtaining bids and award of a construction contract, and • is expected to provide construction oversight and physical and biological post-construction monitoring.
Relevance to RFQ:	Design, permitting, public outreach, environmental monitoring, bidding assistance, and construction oversight for the placement of beach fill material.





Project Title:	2022 South Ponte Vedra Beach Dune Restoration Project
Location:	South Ponte Vedra Beach, St. Johns County, FL
Owner Name:	St. Johns County Disaster Recovery – Damon Douglas, Coastal Manager
Address/Phone/Email:	3171 Coastal Highway, St. Augustine, FL 32084 / 904-209-0794 / ddouglas@sjcfl.us
Project Award and Completion Dates:	2017 – 2022
Project Cost:	Design/Professional Services: ~\$50,000 Construction (2022): ~ \$15,000,00
Description:	<p>From 2017 to 2021, Ardurra staff served as the County’s technical expert for the planning, design, and permitting phases of this project. Ardurra staff initially helped St. Johns County secure State of Florida disaster recovery monies to help mitigate storm erosion at South Ponte Vedra Beach. Later, staff helped the county develop the technical scope of work for an initial project which designed an offshore borrow area N3 in federal waters, and designed and permitted a five-mile beach restoration project from R76 to R103.5 in South Ponte Vedra Beach. Staff acted as a technical resource for the County to ensure the design and permits met the needs of the county.</p> <p>Later, Ardurra staff developed the scope of work for the county to procure a coastal engineering consultant to perform the final project design and administer construction. Staff helped the county negotiate a reasonable fee for the chosen consultant. Ardurra staff served as the county’s technical expert to ensure the final design documents addressed the county’s needs. Staff helped with value engineering efforts and reviewed plans and specifications prepared by the consultant to get the project ready for bidding in late 2021. In 2022, the project placed about 733,000 cy of sand derived from the offshore sand source N3 along five miles of critically eroded beaches.</p> <p>Key Staff: Rajesh Srinivas, Coastal Engineering Expert</p>
Relevance to RFQ:	Planning; Cost Control; Soft Structures; Design, Permitting, Geotechnical, and Geophysical Reviews.



Eroded Pre-Construction Conditions (2018)



Project Title:	<i>Post-Hurricanes Matthew and Irma FEMA Category B Dune Recovery Project</i>
Location:	St. Johns County, FL
Owner Name:	St. Johns County Disaster Recovery – Damon Douglas, Coastal Manager
Address/Phone/Email:	3171 Coastal Highway, St. Augustine, FL 32084 / 904-209-0794 / ddouglas@sjcfl.us
Project Award and Completion Dates:	2021 – Present
Project Cost:	Design/Professional Services: ~\$150,000 Construction (2021-2022): ~ \$30,000,00
 <p><i>FEMA Emergency Berms Under Construction, Crescent Beach (2021)</i></p>	<p>Description: Hurricanes Matthew and Irma devastated the beaches at St. Johns County in 2016 and 2017. After FEMA committed restoration monies and the NEPA documents were prepared, the county procured the services of a Design-Build team to build emergency berms/dunes to provide emergency protection against 5-year storms. The project, completed in Dec 2022, placed just over 400,000 cy of sand and installed about 1,400,000 sea oats across about 11.4 miles of shoreline in Ponte Vedra, South Ponte Vedra, and Crescent Beaches.</p> <p>Serving as the County’s coastal engineering expert, Ardurra staff assisted the County in reviewing scopes of work, fee proposals, permit applications, project plans and specifications, and construction submittals and operation plans. Staff provided construction phase services, and helping the county evaluate pay requests, to ensure the project was built according to the project plans, adhering to the permit requirements, and in accordance with FEMA requirements.</p> <p>Key Staff: Rajesh Srinivas, Coastal Engineering Expert</p>
Relevance to RFQ:	Scope development; review of permit documents; review of plans and specs; construction observation; pay surveys and quantities.

Project Title:	FEMA Category B Emergency Berms, Post-Hurricanes Ian and Nicole – Countywide Assessment of Beach Damage and Estimation of Eligible Replacement Sands
Location:	St. Johns County, FL
Owner Name:	St. Johns County Disaster Recovery – Damon Douglas, Coastal Manager
Address/Phone/Email:	3171 Coastal Highway, St. Augustine, FL 32084 / 904-209-0794 / ddouglas@sjcfl.us
Project Award and Completion Dates:	2022 – 2023
Project Cost:	Design/Professional Services: ~\$100,000 Construction (2023): Under \$20,000,000
 <p><i>Beach Damage from Hurricane Ian, Crescent Beach (9/30/22)</i></p>	<p>Description: Hurricanes Ian and Nicole devastated the beaches and related infrastructure at St. Johns County in 2022. In response, and on behalf of St. Johns County, Ardurra staff:</p> <ul style="list-style-type: none"> • Acted as the lead coastal engineer and subject matter expert to develop Project Worksheets to obtain recovery funds from FEMA to repair countywide beach damage • Estimated that the storms eroded about 2.16 mcy of sand above MHW countywide (excluding state and federal parks, and federal beach nourishment project areas) • Developed an innovative methodology to estimate that 288,000 cy of the eroded sand would qualify for FEMA cost-sharing under its Category B program • Provided FEMA all relevant information to support a request nominally worth just under \$30M towards placing the Category B emergency berms, and installing dune vegetation, in eligible areas countywide. <p>Key Staff: Rajesh Srinivas, Coastal Engineer</p>
Relevance to RFQ:	Storm damage assessment, FEMA project worksheets, emergency berms, cost estimating.



Project Title:	<i>FEMA Category G Project, Post-Hurricanes Ian and Nicole – Assessment of Beach Damage and Estimation of Eligible Replacement Sands, South Ponte Vedra Beach Dune Restoration Project</i>
Location:	St. Johns County, FL
Owner Name:	St. Johns County Disaster Recovery – Damon Douglas, Coastal Manager
Address/Phone/Email:	3171 Coastal Highway, St. Augustine, FL 32084 / 904-209-0794 / ddouglas@sjcfl.us
Project Award and Completion Dates:	2022 – Present
Project Cost:	Design/Professional Services: Under \$100,000 Construction (2024 expected): Under \$20,000,000
Description:	<p>This non-federal project, extending from R76 to R103.5, was constructed in 2022 largely to mitigate the erosive impacts of Hurricanes Matthew (2016) and Irma (2017). Unfortunately, almost immediately after its 2022 construction, the SJC SPV project was hammered by a large northeaster in Nov 2022 and two severe hurricanes (Ian and Nicole) in 2023. These storms eroded much of the sands placed in 2022.</p> <p>Acting as the County’s representative, Ardurra staff</p> <ul style="list-style-type: none"> • Determined that the project would qualify for FEMA to cost share on qualified repairs under FEMA’s Category G Permanent Works program • Conducted an in-depth engineering assessment to determine that FEMA would cost share on <ul style="list-style-type: none"> ○ The replacement of 342,940 cy of sand from R76 to R102.5 <ul style="list-style-type: none"> ▪ This quantity accounted for background accretion which increased the eligible volume by 72,883 cy ○ The replacement of 839,163 dune plants and 1,973 ft of sand fence ○ The additional replacement of 350,000 dune plants under FEMA’s Hazard Mitigation Program • Estimated that FEMA should provide a 75% cost share on about \$12.4M (nominal cost) of project repair work (replacement of eroded sands, and destroyed plants and sand fences). <p>Key Staff: Rajesh Srinivas, Coastal Engineer</p>
Relevance to RFQ:	Storm damage assessment, FEMA Project Worksheets, FEMA Category G project, cost estimating.



Beach Damage from Hurricane Ian, Crescent Beach (9/30/22)

Project Title:	<i>St. Johns County Shore Protection Project, Anastasia State Park and St. Augustine Beach</i>
Location:	St. Johns County, FL
Owner Name:	U.S Army Corps of Engineers, Jason Harrah, Coastal Project Manager
Address/Phone/Email:	701 San Marco Blvd, Jacksonville, FL 32207 / 904-305-0323 / Jason.s.harrah@usace.army.mil
Project Award and Completion Dates:	2022 – 2023
Project Cost:	Design/Professional Services: ~\$100,000 Construction (2023): Under \$20,000,000
Description:	<p>St. Augustine Beach and the state park to its north suffered from decades of erosion, mostly induced by St. Augustine Inlet, before the federal beach nourishment project was authorized and monies for construction appropriated. The project was initially constructed in 2003, and renourished in 2005, 2012, and 2018. It has cumulatively placed over 10 million cubic yards of sand to protect 2.5 miles of shoreline from R137 to R151 using sands dredged from the St. Augustine Inlet ebb shoal.</p> <p>Ardurra staff member, Dr. Rajesh Srinivas, has been continuously involved in the planning, design, permitting, construction observation, and monitoring phases of the project since 1999 when he served as the project manager for the establishment of the Erosion Control Line. Staff also helped the County reach a settlement with homeowners who alleged that use of the inlet ebb shoal as the borrow area was causing beaches north of the inlet to erode. Currently, the project is gearing up for renourishment to begin in the next few weeks using sands from a <u>new borrow source S1 located over 7 miles offshore</u>.</p> <p>Even though all work was done for St. Johns County, we have provided USACE staff as the point of contact because this staff is most familiar with the breadth of services Ardurra staff member Dr. Srinivas has provided over the years.</p> <p>Key Staff: Rajesh Srinivas, Coastal Engineer</p>
Relevance to RFQ:	Beach nourishment; planning; design; FDEP joint coastal permits; monitoring; construction observation; ECL; litigation assistance; public and interagency coordination.



St. Augustine Beach Shore Protection Project, 2020 Conditions




Project Title:	<i>Flagler County Post-Storm Dune Restoration</i>
Location:	Flagler County, Florida
Owner Name:	Flagler County – P. Ansley Wren-Key, PhD, Coastal Engineering Administrator
Address/Phone/Email:	1769 E. Moody Blvd., Bldg 2, Bunnell, FL 32110 / 386-313-4112 / awren-key@flaglercounty.gov
Project Award and Completion Dates:	2018 to 2023
Project Cost:	\$350,000 (approx.)
Description:	<p>In response to the damage to Flagler County’s shoreline caused by Hurricane Matthew in October 2016, Flagler County placed approximately 407,194 cubic yards (cy) (549,711 tons) of sand (based on truck weight tickets) to restore the dunes on over 11.4 miles of beach from near the St. Johns/Flagler County line to the north end of Flagler Beach. As a subcontractor to Eisman & Russo to this partially FEMA-funded project, INTERA provided coastal engineering and construction observation services for Flagler County’s “First in Florida” in-house dune restoration project where the County served as both Owner and Contractor.</p> <p>As part of this project, INTERA completed its engineering analysis and reporting for three years of post-construction monitoring required by the FDEP permit. INTERA analyzed shoreline changes and volume changes over multiple time periods and for the latter analysis, two vertical compartments: (1) dune to mean high water, and (2) mean high water to mean low water.</p> <p>Recently, INTERA-GEC, as a subcontractor to Eisman & Russo, provided coastal engineering and construction observation services for Flagler County’s post-Dorian (2019), partially FEMA-funded, dune restoration project that included placing up 303,000 cy of sand on over 10.8 miles of beach from near the St. Johns/Flagler County line to the north end of Flagler Beach. Additionally, INTERA-GEC developed beach construction templates for all but 8,400 feet of the total project placement areas as the contractor placed sand under the state’s emergency order. Sand originated from commercial mines as well as FIND’s FL-3 dredged material management area.</p> <p>For both projects, observers ensure project construction conforms to the plans as well as environmental permits/conditions. Daily, continuous onsite construction observation is performed at the beach placement site during active construction (over a 13-month period for the post-Matthew work; to date approximately two months for post-Dorian work). Permit compliance activities included coordinating with the FDEP and the sand supplier centering on sediment sampling at the commercial mines for the post-Matthew work. INTERA successfully negotiated a reasonable frequency for sampling and testing of the fill sand to once per day before transported to the beach fill area.</p>
Relevance to RFQ:	Design, environmental oversight, FEMA project, and construction administration services.



Project Title:	<i>New Smyrna Beach Post-Nicole Beach Restoration</i>
Location:	New Smyrna Beach, Volusia County, Florida
Owner Name:	Volusia County – Jessica Fentress, Coastal Division Director
Address/Phone/Email:	515 S. Atlantic Ave., Daytona Beach, FL 32118 / 386-248-8072 / jfentress@volusia.org
Project Award and Completion Dates:	2023 to Present
Project Cost:	\$256,288 (to date)
Description:	<p>In response to the damage south of Ponce de Leon Inlet caused by Hurricane Ian in September 2022 and Hurricane Nicole in November 2022, Volusia County plans to place approximately 600,000 cubic yards of sand along 5 miles of New Smyrna Beach shoreline to restore the eroded beach. The project will offload beach compatible sand currently stockpiled in Florida Inland Navigation District’s (FIND) Maintenance Spoil Area (MSA) 434/434C South (a.k.a. Rattlesnake Island) from prior inlet and Intracoastal Waterway maintenance dredging events. Offloading will entail creating a sand slurry at Rattlesnake Island and pumping the sand via hydraulic dredge and pipeline to the beach placement site. The beach fill template consists of a variable-width berm dependent on the presence and position of seawalls and dune escarpments such that the seaward edge of fill forms a straight shore-parallel berm. The berm crest elevation and slope are designed to balance project longevity and storm protection potential while considering the undesirable potential for windblown sand transport or sloughing to cover seawall caps and drift onto private property. The fill template targets a beach fill density of 20 cy/ft to allow practical construction via hydraulic dredge sand placement.</p> <p>During the currently contracted design and permitting phase of the project, INTERA-GEC has:</p> <ul style="list-style-type: none"> • designed the beach fill template, • prepared an Environmental Assessment for beach placement, • conducted a County-wide post-storm beach assessment, • evaluated the compatibility of native beach and borrow material, • prepared a Sediment Quality Assurance/Quality Control Plan • prepared a Physical Monitoring Plan, • prepared permit drawings • submitted permit modification requests to Florida Department of Environmental Protection and U.S. Army Corps of Engineers to modify the County’s existing Joint Coastal Permit and FIND’s existing Department of the Army permit that allow nearshore placement of maintenance dredging materials, • and coordinated with FIND regarding use of Rattlesnake Island and modification of their exiting permit.
Relevance to RFQ:	Design and permitting services, sand compatibility analysis, coordination with state and federal agencies.



Project Title:	<i>Daytona Beach – Ponce Inlet Post-Nicole Beach Restoration</i>
Location:	Volusia County, Florida
Owner Name:	Volusia County – Jessica Fentress, Coastal Division Director
Address/Phone/Email:	515 S. Atlantic Ave., Daytona Beach, FL 32118 / 386-248-8072 / jfentress@volusia.org
Project Award and Completion Dates:	2023 to Present
Project Cost:	\$249,300 (to date)
Description:	<p>In response to the damage to Volusia County’s shoreline north of Ponce de Leon Inlet caused by Hurricane Ian in September 2022 and Hurricane Nicole in November 2022, Volusia County plans to place up to 700,000 cubic yards of sand within various shoreline segments along approximately 15 miles of beach in Daytona Beach, Daytona Beach Shores, Wilbur-By-The-Sea, and Ponce Inlet to restore the eroded beach. The project will truck sand from a large on-beach stockpile that USACE will construct just north of Ponce de Leon Inlet using maintenance dredging materials from the upcoming inlet and Intracoastal Waterway maintenance dredging event.</p> <p>During the currently contracted and ongoing design and permitting phase of the project, INTERA-GEC will:</p> <ul style="list-style-type: none"> • design the beach fill template, • prepare an Environmental Assessment for beach placement, • coordinate with USACE to evaluate the compatibility of native beach and borrow material, • prepare a Sediment Quality Assurance/Quality Control Plan • prepare a Physical Monitoring Plan, • prepare permit drawings • submit permit modification requests to Florida Department of Environmental Protection and U.S. Army Corps of Engineers to modify the County’s existing Joint Coastal Permit and pending Department of the Army permit that allow nearshore placement of maintenance dredge materials, • and coordinate with the County and USACE to determine the logistics of accessing the stockpiled material.
 <p><i>Existing Conditions and Stockpile Area</i></p>	
Relevance to RFQ:	Design and permitting services, sand compatibility analysis, coordination with state and federal agencies.

Project Title:	<i>South Ponte Vedra Park Dune Restoration</i>
Location:	South Ponte Vedra Beach, St. Johns County, Florida
Owner Name:	St. Johns County Disaster Recovery, Stephen Hammond, Coastal Environmental Project Manager
Address/Phone/Email:	3171 Coastal Highway, St. Augustine, FL 32084 / 904-209-0272 / shammond@sjcfl.us
Project Award and Completion Dates:	2023 to Present
Project Cost:	Design/Professional Services: ~\$61,400 Construction (2023): ~ \$245,000
Description:	<p>In September and November 2022, hurricanes Ian and Nicole caused severe beach and dune erosion within South Ponte Vedra (SPV) Park, a popular recreational facility that also provides emergency vehicle beach access. The erosion destroyed one of the park's two pavilions and slightly undermined and exposed the foundation of the other. To restore the dune and protect the remaining infrastructure, INTERA-GEC provided professional engineering design and permitting services as well as bid and construction administration assistance for an emergency dune restoration project constructed via truck haul of sand from an upland source.</p> <p>INTERA-GEC provided the following services:</p> <ul style="list-style-type: none"> • Project design, from conceptual design development through final design; • Coordinated with Florida Department of Environmental Protection (FDEP) and Florida Fish and Wildlife Conservation Commission to obtain authorization to construct the project under the state's Emergency Order; • Prepared technical specifications and constructions drawings for the dune restoration project, including dune plantings; • Assisted the County with bidding and contractor selection; and • Provided construction observation and coordination services, including post-construction documentation. <p>Additionally, given the extreme and ever-increasing expense of dune restoration and the frequently need to construct such projects over the past few years, INTERA-GEC is currently assisting the County with evaluation of long-term solutions (e.g., seawall, revetment) to protect the park infrastructure. We have coordinated with FDEP, FWCC, and Guana Tolomato Matanzas National Estuarine Research Reserve representatives to discuss the eligibility and concerns regarding hard structures and are currently developing conceptual level designs and cost estimates of potential solutions.</p>
Relevance to RFQ:	Beach fill design, bidding assistance, construction administration, and coordination with state and federal regulatory agencies.



Pre-Construction Eroded Conditions

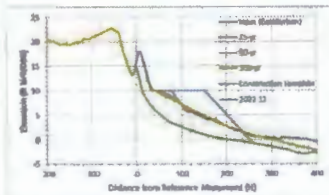
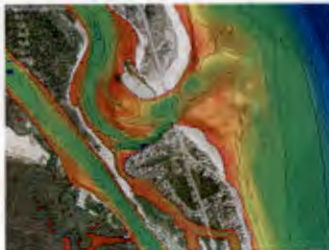



Project Title:	<i>Alpine Groves Park Shoreline Restoration</i>
Location:	St. Johns County, Florida
Owner Name:	St. Johns County Public Works – Robert Stagliano, Project Manager/Construction, Engineering Division
Address/Phone/Email:	2750 Industry Center Rd, St. Augustine, FL 32084 / 904-209-0277 / rstaglianos@sjcfl.us
Project Award and Completion Dates:	2022 to Present
Project Cost:	Design/Professional Services: ~\$89,700 Construction (expected 2024): ~ \$659,000 (low bid)
Description:	<p>Hurricanes Matthew (2016) and Irma (2017) as well as subsequent storms caused severe erosion of the shoreline and geologically unique bluff (~17' high) of Alpine Groves Park, located along the eastern shoreline of the St. Johns River. The erosion produced a near vertical escarpment along the majority of the park's un-protected shoreline, undermining and falling several large diameter historic oak trees. To restore and prevent further erosion of the bluff, INTERA-GEC provided professional engineering design and permitting services and bidding assistance for a hard shoreline stabilization structure. The selected design, best meeting the County's goals and objectives, consists of a rock rip rap revetment designed to minimize impacts to existing wetland vegetation, prevent bluff erosion, and minimize future maintenance requirements.</p> <p>INTERA-GEC provided the following services:</p> <ul style="list-style-type: none"> • Site assessment including mapping/characterization of environmental resources and a wetland delineation survey; • Project design, from conceptual design thru final design, for a shoreline revetment and bluff restoration, including fill and grading and native plantings; • Permitting, via the U.S. Army Corps of Engineers (USACE) and the St. Johns River Water Management District (SJRWMD); • Development of technical specifications and construction drawings; • Preparation of an Opinion of Probable Cost; • Attended a pre-bid meeting and prepared responses to technical questions from prospective bidders; <p>The County has completed the bid process and awarded the construction contract to the lowest bidder. INTERA-GEC is contracted to provide construction administration services for project construction, anticipated to commence late winter 2024.</p>
Relevance to RFQ:	Design and permitting, opinions of probable cost, contract document preparation, bidding assistance. and coordination with state and federal regulatory agencies.



Pre-construction Eroded Conditions

Project Title:	<i>Study of Summer Haven River and Surrounding Areas</i>
Location:	St. Johns County, Florida
Owner Name:	St. Johns County Disaster Recovery, Damon Douglas, Coastal Manager
Address/Phone/Email:	3171 Coastal Highway, St. Augustine, FL 32084 / 904-209-1794 / ddouglas@sicfl.us
Project Award and Completion Dates:	2022 to Present
Project Cost:	\$361,400
Description:	<p>The Summer Haven River, providing a tidal connection between Matanzas Inlet and the Intracoastal Waterway (ICWW), lies immediately behind a narrow barrier island historically susceptible to dune erosion, overwash, and breaches during severe storms. Since 2016, repeated efforts (in 2016, 2017, 2019, and 2021) to partially restore the river's flow by excavating the overwash sediment and rebuilding the adjacent berm/dunes have been necessary due to repeated breaching of the island. Realizing only partial and temporary success from these repeated small-scale efforts, St. Johns County contracted INTERA-GEC to conduct a study to identify an environmentally and financially sustainable long-term solution to maintain the river flow.</p> <p>To achieve the understanding required to effectively identify and evaluate potential solutions, INTERA-GEC conducted a comprehensive topographic and bathymetric survey, developed a sediment budget of the Matanzas Inlet system, and analyzed the waves and hydrodynamics throughout the study area. Results of this coastal processes analysis led to development of an array of potential solutions, and further evaluation identified the solutions that could potentially achieve the study goals and qualify for state and federal authorization. The study also identified potential funding sources and partners.</p> <p>Specific tasks involved, in part, a historic mean high water shoreline and beach volume change analysis; compilation and review of historic dredging and beach fill placement records, including Florida Inland Navigation District's (FIND) ICWW maintenance dredging and dredge material management area offloading events; evaluation of the physical environment (e.g., winds, waves, storm surge) and natural resources; investigation of the inlet's historic channel and shoreline evolution and its correlation with present erosion issues; application of the SWAN wave model to investigate wave patterns and longshore sediment transport potential; application of the ADCIRC hydrodynamic model to evaluate the river's effects on the inlet and adjacent waterways; conceptual design and storm erosion modeling of various alternatives including small- and large-scale beach and dune restoration and shore stabilization structures (i.e., seawall, revetment, T-head groins, and breakwaters); coordination with project stakeholders; conducting public workshops; and report preparation.</p>
Relevance to RFQ:	Beach fill design, opinions of probable cost, and coordination with state and federal regulatory agencies.



Project Title:	<i>Development of Rehabilitation Recommendations for SR A1A in Flagler and Volusia Counties</i>
Location:	Volusia County and Flagler County, Florida
Owner Name:	Florida Department of Transportation District 5 – Ty Garner, HNTB Corporation, In-house District Consultant Project Management
Address/Phone/Email:	719 S. Woodland Blvd. MS-2-542, Deland, FL 32720 / 386-943-5299 / ty.garner@dot.state.fl.us
Project Award and Completion Dates:	2022 – 2023
Project Cost:	\$73,000
Description:	 <p>SR-A1A experienced significant damage from hurricanes Ian and Nicole in 2022 along a thirteen-mile-long stretch spanning Volusia and Flagler Counties. To assist FDOT implement post-storm rehabilitation measures, INTERA visited the site to assess the damage, prepared for and attended public meetings, participated in Strike Team meetings comprised of all stakeholders, and identified and recommended solutions to mitigate damage associated with future hurricane events.</p>
Relevance to RFQ:	Evaluation of beach conditions and stakeholder coordination.

Section 4: Approach to Services

Background

The impacts of hurricanes Matthew in 2016 and Irma in 2017, and of annual northeasters, severely intensified ongoing beach erosion at South Ponte Vedra Beach. To alleviate beach damage and protect upland infrastructure, in June 2022, St. Johns County (“County”) completed a dune and berm restoration project to protect the shoreline by placing about 733,122 cubic yards (cy) between Florida Department of Environmental Protection (FDEP) monuments R-76 and R-103.5 in South Ponte Vedra Beach (“SJC SPV project”). Sand for the 2022 project originated from Shoal N3 in federal waters, approximately eight miles offshore.

The southern end of the 2022 SJC SPV project tied-in with the northern end of the U.S. Army Corps of Engineers (USACE) South Ponte Vedra and Vilano Beach Coastal Storm Risk Management (SPVVB CSRMS) project constructed in 2021 and renourished in 2023. The shoreline between R-102.5 and R-103.5 forms a taper in the SPVVB CSRMS project; the 2022 SJC SPV project filled out the taper to create a more consistent berm width connecting the two projects.

Unfortunately, a large northeaster in November 2022 and two severe hurricanes (Ian and Nicole) in 2023 severely affected the SJC SPV project almost immediately after its 2022 construction. These storms eroded much of the sand placed in 2022. Following an in-depth assessment, the County determined that 342,940 cy of sand are eligible for FEMA cost sharing under its Category G Permanent Works program for placement from R-76 to R-102.5. The R-102.5 to R-103.5 overlap area is not eligible for FEMA cost sharing because it is also part of the federal (USACE) project. Further, FEMA will also assist in the replacement of dune vegetation and sand fences damaged by Ian and Nicole. FEMA will pay for 75% of “eligible” costs.

The unit volume (~12.5 cy/ft) associated with FEMA-eligible sand loss is too low to support a hopper dredge-based placement operation. However, costs for placing the FEMA-eligible sand loss with sand trucked from upland mines are quite prohibitive (~\$90/cy). In fact, employing a hopper dredge to rebuild the beach to a template approximating that of the 2022 SJC SPV project provides the upland property with a higher level of protection at a much lower cost than trucking sand from an upland source to only place the FEMA-eligible volume.

After careful deliberation, the County decided to restore the beach back to approximately the 2022 project template, with the understanding that the County will have to use its own funds (together with grant monies from the state) to pay for those costs which exceed FEMA’s approved funding. Accordingly, the County is planning for a hopper dredging operation to dredge sand from an offshore borrow area and place about 22 cubic yards per linear foot (cy/ft) of sand, on average, between R-76 and R-103.5. As stated in the RFQ, the current project is expected to place about 610,000 cy of sand. In turn, this means one must identify a borrow site with at least 850,000 cy of beach compatible sand when accounting for discovery of potentially unsuitable material and typical dredging losses.

Based on existing information, constructing the project will require the County to modify existing FDEP and USACE permits and obtain a new lease from the Bureau of Ocean Energy Management (BOEM) primarily because of issues with the previously dredged sand borrow area.

Potential Borrow Area Shoal N3

Project plans for both the SJC SPV 2022 project and the 2023 SPVVB CSRМ project show the same large area of Shoal N3 as the borrow area. The 2022 project plans called for dredging down to a maximum depth of -49 ft NAVD88. The 2023 CSRМ project plans called for dredging to elevations of -54 and -56 ft NAVD88 in different sub-compartments of N3. If the INTERA-GEC Team, in consultation with the County, selects Shoal N3 as the borrow area for the current project:

- We must modify the existing FDEP and USACE permits obtained for the 2022 SJC SPV project to reflect a greater dredging depth than that of the 2022 SJC SPV project. The agencies will probably consider this a minor modification to the permit.
- We must modify the BOEM lease obtained for the 2022 SJC SPV project, or more likely, seek a new negotiated lease because the upcoming dredging volume will exceed the volume allowed by the existing lease and because deeper dredging could trigger additional environmental concerns.

The 2022 SJC SPV project and the 2023 USACE SPVVB CSRМ project have together dredged about 2,000,000 cy of sand, which means Shoal N3 should currently have approximately 3,800,000 cy of beach compatible sand available. However, large competing needs for sand from Shoal N3 exist. In 2022, the USACE designated Shoal N3 as an additional borrow area for its SPVVB CSRМ project. For the remainder of its 50-year project life, the SPVVB CSRМ project needs approximately 3,000,000 cy of sand to cover three future planned nourishments. If any coastal emergencies arise, this need will only increase. Though the USACE does have some flexibility in that it can use the St. Augustine Inlet flood shoals and ebb shoal or Shoal N3 to accommodate future nourishment needs, Shoal N3 is most likely USACE’s preferred borrow source for all future CSRМ renourishments due to its more favorable sand quality.

Thus, though Shoal N3 is a viable option for the current project, acquiring sand from it for the current SJC SPV project will reduce the USACE’s current margin of safety for obtaining beach quality sands for future renourishments of the SPVVB CSRМ project.

Potential Borrow Area Shoal N1-B

The other possible borrow area for the current SJC SPV project is Shoal N1-B, which contains approximately 1,900,000 cy of beach compatible sand. Previously prepared federal documents — the existing FONSI, BOEM lease, and USACE permit — for the Ponte Vedra Beach Nourishment Project (“PVB project”) only address Shoal N1-A. The FDEP permit and associated permit drawings for the PVB project only show N1-B as a future excavation site, located four miles offshore. Thus, to use Shoal N1-B as the borrow area for the current project:

- The County must modify the existing FDEP and USACE permits for the SJC SPV projects to allow use of Shoal N1-B as a borrow source.
- The County must negotiate a new BOEM lease.

Fortunately, the geotechnical and geophysical investigations completed by Olsen Associates in November 2020 covered both N1-A and N1-B; these data will help expedite the permitting phase, though additional data collection is required.



Expected Work Plan

Task 1 — Assessment of Existing Information and Gaps Identification

The INTERA-GEC Team will review the latest physical monitoring report and the related beach profile data to determine if additional beach profiles are necessary for developing the permit drawings. At present, we expect the existing two-year SJC SPV project monitoring data to prove sufficient for permit-level drawings.

The INTERA-GEC Team will review and assess the existing geotechnical, geophysical, cultural resources, and environmental information for both Shoals N3 and N1-B and consult with the County to decide on which shoal should serve as the borrow area for the current project.

Next, the INTERA-GEC Team will schedule, prepare for, and attend pre-application meetings with the FDEP, USACE, BOEM and if possible, the commenting agencies (FWC, FWS, NMFS) to present the project concept and solicit feedback to smooth out and expedite the project permitting and leasing process. We expect the County staff to participate in these meetings.

These meetings will also help determine from the agencies' standpoint the need for minor or major modifications to existing permits. We expect, at the federal level, the need for new NEPA documentation to address primarily the borrow area and to a lesser degree the beach placement area. BOEM may ask for an engineering-based excavation impact analysis. Our Team stands ready to conduct whatever new data collection or analysis the agencies require.

The INTERA-GEC Team will use the results of its review of existing data and reports and the feedback from the regulatory agencies to develop a data collection plan for any necessary field data collection.

Task 2 — New Data Collection

The INTERA-GEC Team will implement the data collection plan developed in Task 1 to collect new field data required by the regulatory agencies. Examples include beach profile, hydrographic, geotechnical, geophysical, cultural resources, and environmental surveys. For example, design and permitting of a borrow area at Shoal N1-B requires, at a minimum, a new hydrographic survey of the potential borrow area. Data collection in federal waters will require BOEM permits.

Task 3 — Permit-Level Design of Beach Placement Area

The INTERA-GEC Team plans to use the latest beach profile data collected by the County for two-year post-construction monitoring of the 2022 SJC SPV project together with the construction template of the 2022 project to design the beach placement area unless the Task 1 data review determines the need for a new survey.

The design intends to place beach fill entirely within the construction template of the 2022 project to keep the FEMA approval/reimbursement process uncomplicated. However, the "feeder action" of the recently constructed, adjacent SPVVB CSR project could decrease the volume of sand that can fit within the 2022 SJC SPV project template. An influx of too much sand may warrant a seaward or vertical expansion of the construction template to allow the placement of the minimum sand volume required for an efficient hopper dredging operation — one without abnormal sand losses during construction. The timing of the



actual construction of the current project, and the antecedent storm activity, will affect to what degree the sand influx becomes a problem.

Task 4 — Design of Borrow Area

The INTERA-GEC Team will assess all available hydrographic, geotechnical, geophysical, cultural resources, and environmental data (collected in Tasks 1 and 2) to design a borrow area — its footprint and dredging depths — that provides the best compatible sand for the current project while minimizing negative effects. The compatibility analysis will consider sand overfill ratios, equilibrium adjustments of the beach construction template, and the performance of the 2022 SJC SPV project.

If deemed necessary by BOEM, our Team will conduct an engineering analysis of borrow area excavation impacts. Such analysis typically applies wave, tide, and sediment transport numerical models to ascertain potential effects on nearshore wave energy and currents; shoreline positions; and borrow area infilling for both normal/average and storm conditions. Our Team has substantial experience in conducting such analyses to optimize borrow area geometries.

Task 5 — Permit Application and Submittal

The INTERA-GEC Team will prepare, and submit to the County for review, FDEP joint coastal permit and Department of Army permit applications — or permit modification requests as deemed appropriate during the Task 1 pre-application meetings — incorporating the results of the preceding tasks. Upon resolving all comments from the County, we will submit the applications to the FDEP and the USACE.

Based on history, the regulatory agencies will each likely issue at least one Request for Additional Information (RAI). The INTERA-GEC Team will speedily respond to the RAIs and submit the requested information after consultation with the County.

Task 6 — BOEM Lease Agreement for Borrow Area

Because both prospective borrow areas (Shoals N1-B and N3) lie in federal waters, the County will have to execute a Lease Agreement with BOEM. The INTERA-GEC Team will apply the results of the work executed in the previous tasks to prepare all materials necessary for the County to execute the Lease Agreement with BOEM. This potentially includes the preparation of an Environmental Assessment (EA), which BOEM will likely deem necessary. Depending on which shoal we select as the borrow area, this new EA will leverage much of the information already available in the following existing EAs:

- April 2021 EA for the Ponte Vedra Beach Nourishment Project (prepared by the County, addressing Shoal N1-A)
- September 2020 EA for the South Ponte Vedra Beach Restoration Project (prepared by the County, addressing Shoal N3)
- April 2022 EA for the USACE South Ponte Vedra Beach Coastal Storm Risk Management Project (prepared by the USACE, addressing Shoal N3)

Task 7 — Final Design of Placement and Borrow Areas

New beach profile surveys at 500-ft longshore intervals along the fill placement area will prove necessary to develop the final construction-level project plans. The INTERA-GEC Team will conduct this survey and



a visual survey of the parcels to note any changes in the coastal armor/seawall coverage compared to that reported in the design of the 2022 SJC SPV project.

The INTERA-GEC Team will use the survey data, together with the construction template developed in Task 3 (and potentially refined through the Task 5 permitting process) to prepare the final plan and cross-sectional views of the beach placement area. The design will address the transitions into parcels without easements and apply the methods adopted in the 2022 SJC SPV Project to handle parcels with seawalls or other coastal armor.

The INTERA-GEC Team will also develop a planting plan for the beach placement area. In developing the plan, the INTERA-GEC Team will consider the number of plants damaged by the 2022 storms (493,163), as well as another 350,000 plants which would qualify for FEMA Hazard Mitigation funding. It will also consider the recent planting research at St. Johns County by the University of Florida which shows improved plant durability when planted at 12-inch spacing and utilizing a mix of sea oats and bitter panicum.

The design will also include sand fence (rope-and-post) plan to promote the integrity of the placed beach fill and dune vegetation. This would at least replace the sand fences damaged by the storms (1,973 ft) at the Exxon and South Ponte Vedra Beach Park accesses and add other locations if deemed necessary.

As necessary, we will adjust the output of Task 4 to produce the final design of the borrow area. The products will include plan and cross-sectional views, and vibracore information. The drawings will also call out for any required avoidance zones — with adequate buffers — to protect cultural resources or other materials of concern. Given the scope of the previous tasks, a construction-level hydrographic survey of the borrow area is likely unnecessary.

Task 8 — Preparation of Construction Documents

The INTERA-GEC Team will review the existing specifications prepared for the 2022 SJC SPV and update/modify them as necessary to reflect the current project. We will make sure the specifications include a section addressing munitions and explosives of concern (MEC) and other undesirable materials — a problem experienced in the 2023 SPVVB CSRSM project which utilized Shoal N3 as its borrow source.

The INTERA-GEC Team will also compute the placement quantities and develop a schedule of values, an opinion of probable cost, and a schedule for the construction project. Our engineers will check all plans for the beach placement and borrow areas to ensure they are consistent with all the permits, the BOEM lease, and FEMA Category G requirements. Our Team will produce a package of technical information suitable for inclusion in the County's procurement package to select a construction contractor.

Task 9 — Bidding Phase Assistance

The INTERA-GEC Team will assist the County in conducting a pre-bid meeting and promptly respond to any technical questions from prospective bidders; we will submit our responses to the County for inclusion in addenda.

Task 10 — Construction Phase Services

Acting as the County's representative, the INTERA-GEC Team shall provide all construction administration services required to execute a successful construction project consistent with the project objectives, all

permits, the BOEM Lease Agreement, FEMA Category G requirements, and project construction documents. Typical services include:

- Pre-construction, coordination, and progress meetings with the construction contractor
- Regulatory agency coordination and notifications
- Stakeholder engagement
- Daily construction observation
- Verification of proper tie-ins at seawalls
- As-needed pre-construction, supplemental, and/or validation surveys
- Coordination and review of contractor's surveys
- Review and approval of contractor's submittals, change orders, and pay surveys and requests
- Monitoring of project progress and schedule

Task 11 – Post-Construction Documentation

The INTERA-GEC Team will perform all customary elements of project close-out for beach nourishment projects. Work will include a preliminary walkthrough with the contractor to ensure the project is built according to the project plans and permits and that all staging and access areas are restored to pre-project conditions or better. We will develop and deliver to the Contractor a punch list of deficient items with a timeline to fix the deficiencies. At the deadline, we will revisit all areas of concern to ensure the contractor has remedied the deficient items as directed. We will perform all this work in close coordination with County (e.g., Disaster, Parks and Recreation, and Environmental) staff.

We will develop as-built drawings and issue a certificate of completion, which we can transmit to appropriate agencies (e.g., FDEP, FWC, USACE, BOEM, FEMA).

Task 12 – Environmental Monitoring

The INTERA-GEC Team will provide any needed environmental monitoring services, before, during, or after construction as required by the regulatory permits. Species of concern for such projects typically include marine turtles (nests), gopher tortoises, shorebirds, Anastasia beach mice, Atlantic right whale, and manatees. Generally, the contractor is responsible for all biological monitoring during construction – from the point that the County issues an NTP to when all construction activities are complete. The pre- and post-construction monitoring issues generally concern marine turtles and shorebirds. The INTERA-GEC Team will assume any needed turtle nest monitoring pre-construction (May 1 – construction commencement) and post-construction activities through the end of the marine turtle nesting season (November 30 at most). Depending on the timing of construction, shorebird monitoring may have to start as early as March 1 and extend as long as September 1.

Task 13 – Community Engagement

For projects of this scope, we generally recommend having at least two public workshops – one during the permit-level design stage of the beach placement area and one during the final design stage. We will of course defer to the decision of the County whether and when it desires to have public workshops. Our Team stands ready to prepare for and conduct the workshops at locations and times the County chooses.

Additionally, like the County's public outreach efforts on recent beach projects, the INTERA-GEC Team will set up a weblink that the County can add to its Coastal Projects webpage, which the public can use to



visualize active construction activities including the project extents, the project plan view template at the parcel level, the locations where construction is complete, where construction will occur next, and future construction locations (see Figure 4.1 and 4.2). Our Team will maintain and update this information daily.

Task 14 — FEMA Process and Coordination

The INTERA-GEC Team will ensure that the project adheres to the requirements of a FEMA Category G project. In fact, Team member Dr. Rajesh Srinivas, PE, is the author of the post-disaster document which ascertained what actions and monies FEMA would consider eligible under its Category G program for this current project. We will maintain continuous coordination with FEMA to ensure that the project design and construction comply with Category G directives.

Task 15 — County Coordination

Dr. Rajesh Srinivas, PE, will serve as the lead liaison for the INTERA-GEC Team with the County. The Team is committed to maintaining a responsible and responsive partnership with the County. To that end, we will endeavor to keep the County staff continuously informed of project progress and any arisen issues that require added attention and to solicit its feedback and direction at appropriate times. We suggest implementing a communications plan which would, at minimum, include:

- Scheduled, weekly one-hour or so meetings with County staff,
- As needed in-person meetings whenever the County wishes,
- Weekly written progress reports,
- Daily updates and weekly construction progress reports during construction,
- Public/community workshops and stakeholder meetings, and
- BOCC meetings, as required.

In addition, we will coordinate with the County — providing presentation materials for County review and comment — prior to scheduling and conducting the following meetings with the permitting/regulatory agencies:

- Pre-application meetings with County, BOEM, FDEP, USACE, and possibly FWS, NMFS, and FWC.
- Meetings with County and regulatory agencies upon receipt of any RAIs.

The INTERA-GEC Team will closely coordinate with the County during preparation of permit applications, construction plans, and specifications to provide the following for County review and comment:

- Draft permit applications and responses to RAIs; we will submit the permit applications and RAI responses to the regulatory agencies only after County approval.
- Draft construction plans and specifications; we will satisfactorily address County comments prior to finalizing the documents.

We will submit documents to the regulatory agencies only after county approval.

During construction, we will always maintain close communications with the County, emailing or calling County staff on a daily basis.



Figure 4.1 Example of Project Progress Map Utilized to Promote Public Engagement

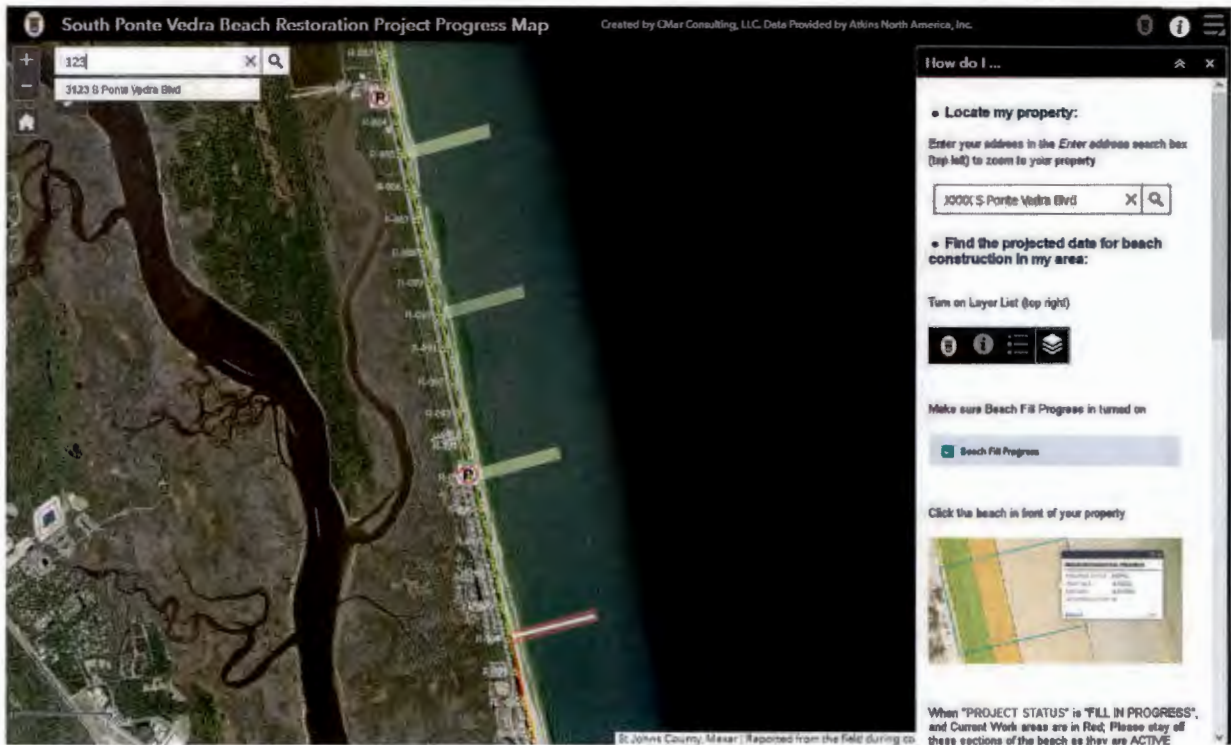


Figure 4.2 Example of Project Information Available at a Parcel Level



Example of Projects Where New Approaches Were Applied

The INTERA-GEC Team strives to seek innovative or new approaches to projects when possible, particularly to improve the performance of beach restoration projects and implement projects more cost-effectively or expeditiously. A few project examples follow.

INTERA-GEC is currently working with Volusia County, FL to restore its beaches following the severe damages caused by hurricanes Ian and Nicole. Volusia County currently does not have an offshore borrow area permitted to support a large-scale, cost-effective berm restoration project, and trucking over 1,000,000 cy of sand is prohibitively expensive. Additionally, Volusia County does not have an active Joint Coastal Permit from FDEP or Department of the Army permit from USACE for beach fill placement. To assist with restoring approximately five miles of New Smyrna Beach south of Ponce de Leon Inlet, INTERA-GEC is designing and permitting a berm restoration project with a beach fill density of approximately 20 cy/ft with sand hydraulically transported from Florida Inland Navigation District's (FIND) upland Maintenance Spoil Area (MSA) 434/434C South. To expedite permitting, INTERA-GEC has coordinated with FIND for authorization to modify its Department of the Army permit, which currently allows only nearshore placement of material (derived from prior Intracoastal Waterway maintenance dredging projects) from MSA 434/434C South, to allow beach placement with Volusia County as co-permittee. Similarly, INTERA-GEC is modifying Volusia County's recently-issued FDEP permit, which also only allows nearshore placement of the material. The project will place approximately 600,000 cy of sand primarily on the upper beach to provide storm protection to the upland property while also maintaining the public's ability to drive on the beach.

For the beach north of Ponce de Leon Inlet, INTERA-GEC is coordinating with Volusia County and USACE to construct a berm restoration project incorporating dredged materials from an upcoming inlet/Intracoastal Waterway maintenance dredging project. Again, Volusia County does not have state or federal permits for beach placement — only a recently issued FDEP permit and a pending USACE permit for nearshore placement of dredge material. In addition, USACE does not have the ability to construct a beach restoration project but only to dispose of the dredge materials in a beneficial use manner. USACE has agreed to place the dredged materials, approximately 700,000 cy expected, on the beach in a mile-long stockpile that Volusia County can then truck to the beach segments in most need, extending up to 15 miles north of the stockpile. We are working with Volusia County to modify their existing/pending permits to allow beach placement and are coordinating with USACE and Volusia County to design the constructed stockpile in a manner that allows Volusia County's prompt use of material (to minimize erosion losses) and facilitate simultaneous use of the area by the USACE's contractor and Volusia County's truck haul contractor.

For another project, INTERA-GEC Team members, during prior employment, were instrumental in St. Lucie County's on-going efforts to improve the performance of the federal Ft. Pierce Beach Shore Protection Project. The project currently requires nourishment every two years with approximately 400,000–500,000 cy, an unsustainable quantity and frequency long-term. Additionally, when federal funds are unavailable every two years, St. Lucie County must construct emergency truck haul projects (approximately 70,000 cy) to prevent erosion damage to public infrastructure at the north end of the project immediately downdrift of Ft. Pierce Inlet. To help create a cost-effective borrow source for supplemental beach nourishment, INTERA-GEC's proposed Project Manager, Michael Trudnak, PE, led the design and permitting of a sediment impoundment basin within Ft. Pierce Inlet that St. Lucie County could



periodically dredge to bypass sand to the project area beach rather than conduct the more expensive truck haul projects. St. Lucie County has constructed and monitored the basin and plans to conduct its first maintenance dredging event in the near future.

Additionally, INTERA-GEC Team members helped St. Lucie County prepare a Section 203 Feasibility Study to extend the federal authorization 50 years and determine the National Economic Development Plan to decrease non-uniformity of shoreline erosion and increase (lengthen) the nourishment interval. The study supported construction of shore stabilization structures (i.e., T-head groins and a detached breakwater) to extend the nourishment interval from two years to four years. This was the first study in the nation prepared by the non-federal sponsor for direct submission to the Assistant Secretary of the Army Civil Works (ASACW) under authorization of Section 203 of the Water Resources Reform and Development Act (WRDA) of 2014. The Office of Management and Budget, USACE Headquarters, and ASACW, approved the study. St. Lucie County is currently coordinating with USACE for implementation of the recommended plan.

Examples of Reports Provided to County

As mentioned above, the INTERA-GEC Team will closely coordinate with the County throughout the duration of our contract and provide the County, for review and comment, all documents for submittal such as presentations for pre-application meetings, permit applications, responses to RAls, and construction documents. We expect to address the County's comments in less than five days and return the documents to the County for final approval by the County. We will submit documents to the regulatory agencies only after County approval. Figure 4.3 provides an example beach nourishment plan and section views, taken from permit drawings approved by Volusia County.

Additionally, keeping the County abreast of project progress and schedule updates is vital for meeting our target bidding and construction dates (see Section 5). We will submit weekly project progress updates every seven days (e.g., every Monday) that will summarize project progress by task for the prior week, include any schedule revisions, and maintain a cumulative log of information provided in prior updates. Figure 4.4 provides an example weekly report that INTERA-GEC submitted to the County for a prior project. Additionally, during construction we will submit daily observation reports to the County to document daily conditions, progress, and any issues that arise. Figure 4.5 provides an example daily report that Team member Ardurra submitted to the County during the 2022 Hurricanes Matthew and Irma FEMA Category B Emergency Berm Restoration Project.

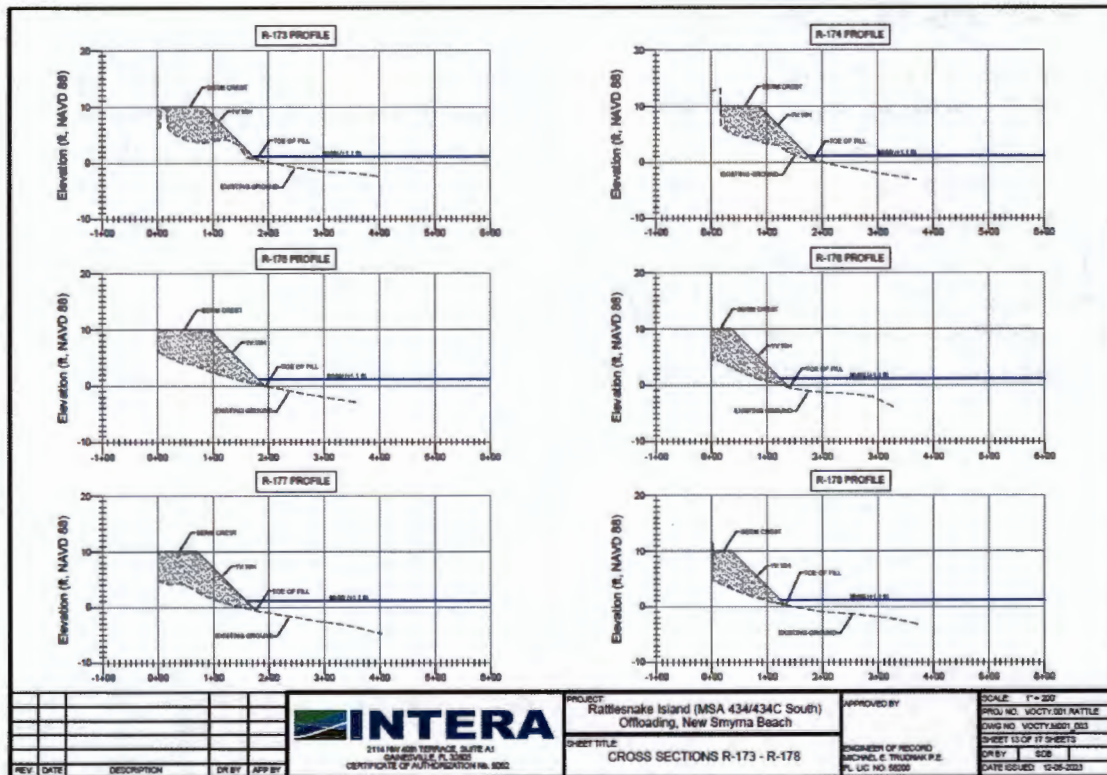
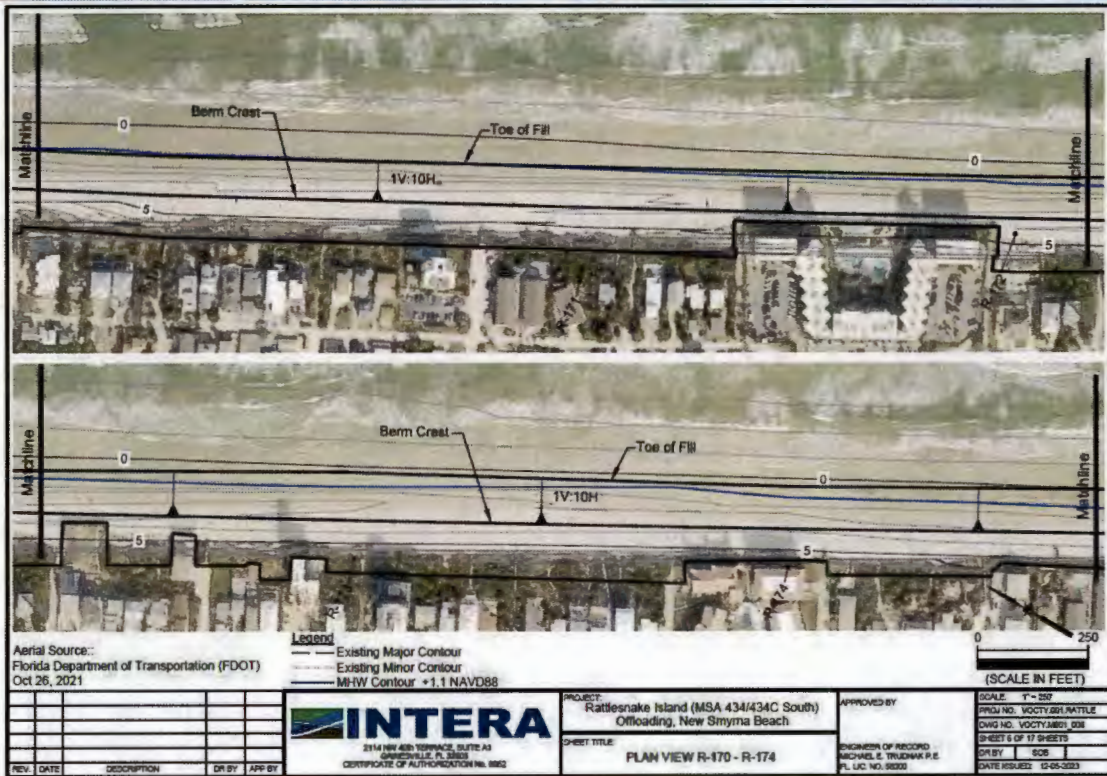


Figure 4.3 Example Beach Fill Plan and Section Views



**Study of Summer Haven River and Surrounding Areas,
 including Separate Study of Summerhouse Erosion
 Project Progress Update #2**

September 6, 2022

INTERA-GEC, LLC

Task Order No. 4, Master Contract No. 22-PSA-INT-16053

Work performed from 8/29/22–9/5/22:

Task 1 — Data Collection:

- We executed a subcontract agreement with Arc Surveying & Mapping for the topography/bathymetry survey. Arc has scheduled the survey for the week of 9/12/22.
- We continued collection of available data.
- We prepared meeting minutes for our 8/26/22 on site meeting with Summer Haven residents.

Task 2 — Coastal Processes Analysis

- We began processing available beach profile and MHW shoreline data.

Task 3 — Identification and Evaluation of Potential Solutions

- We commenced development of an array of solutions and began investigating conceptual designs and costs.

Task 4 — Report Preparation

- We continued working on the report concurrently with Task 1–3 progress.

Task 5 — Public Meetings

- We coordinated with the County regarding scheduling the town hall meetings. The Summerhouse meeting is scheduled for 11:00 AM on 9/28/22. The Summer Haven meeting date has not been confirmed.

Task 6 — Project Management and Coordination

- We prepared a weekly project update (submitted 8/19/22) and coordinated via email with the County.

Task 7 — Summerhouse Evaluation

- No work conducted during this progress period.

Proposed Schedule:

- 1) August 15, 2022: Task Order executed
- 2) January 12, 2023: Submit draft reports to County (150 days from execution of task order)

Content of Prior Project Updates:

Task 1 — Data Collection:

- We provided the County with access to our OneDrive folder for uploading relevant information.
- We commenced collection of available beach profile and MHW survey data from FDEP, historic aerial imagery, and began reaching out to entities that could potentially provide relevant information.
- On 8/26/22, Michael Trudnak met with Ken Manning, Linda Ginn, Larry Monahan, and Rick Paternoster on site to discuss their concerns related to the project.

Task 2 — Coastal Processes Analysis

- No work conducted during this progress period.

Figure 4.4 Example Weekly Progress Update (page 1 from a prior County submittal)





HURRICANE MATTHEW & IRMA FEMA BERM RESTORATION

DAILY OBSERVATION REPORT

Date: 11/22/22 Day of Week: Tuesday Time/Hours: 6:45 A.M to 5:00 pm

SJC Project #: 530 Ardurra Project #: 100450.03.20

Contractor: Continental Heavy Civil (CHC)

WEATHER/TIDE:

<u>7:00 A.M.</u>	<u>10:00 A.M.</u>	<u>12:00 P.M.</u>	<u>3:00 P.M.</u>
<input type="checkbox"/> Sunny	<input type="checkbox"/> Sunny	<input type="checkbox"/> Sunny	<input type="checkbox"/> Sunny
<input checked="" type="checkbox"/> Cloudy	<input checked="" type="checkbox"/> Cloudy	<input checked="" type="checkbox"/> Cloudy	<input checked="" type="checkbox"/> Cloudy
<input type="checkbox"/> Raining	<input type="checkbox"/> Raining	<input checked="" type="checkbox"/> Raining	<input type="checkbox"/> Raining
<input type="checkbox"/> Lightning	<input type="checkbox"/> Lightning	<input type="checkbox"/> Lightning	<input type="checkbox"/> Lightning
<input checked="" type="checkbox"/> High Tide	<input checked="" type="checkbox"/> High Tide	<input type="checkbox"/> High Tide	<input type="checkbox"/> High Tide
<input type="checkbox"/> Low Tide	<input type="checkbox"/> Low Tide	<input checked="" type="checkbox"/> Low Tide	<input checked="" type="checkbox"/> Low Tide

Drizzle rain

PERMIT

FDEP # 0402841-001-JC Issuance August 4, 2022 Expiration Date: August 4, 2036

This permit is issued under the authority of Chapter 161 which includes consideration of the provisions contained in Part IV of Chapter 373, Florida Statutes (F.S.), and Title 62, Florida Administrative Code (F.A.C.). Pursuant to Operating Agreements executed between the Department of Environmental Protection (Department) and the water management districts, as referenced in Chapter 62-113, F.A.C., the Department is responsible for reviewing and taking final agency action on this activity.

OBSERVED ACTIVITIES

<u>Construction Location:</u>	<u>Equipment on Site:</u>	<u>Workers:</u>
<input type="checkbox"/> R-1 to R-23	1.) <u>track hoe</u>	1.) <u>hoe operator</u>
<input type="checkbox"/> R-23 to R-46.2	2.) <u>Loader</u>	2.) <u>loader operator</u>
<input type="checkbox"/> R-67 to R-76	3.) <u>1 - haulers</u>	3.) <u>1- hauler driver</u>
<input type="checkbox"/> R-151 to R-173	4.) <u>dozer</u>	4.) <u>4- workers</u>
<input type="checkbox"/> R-173 to R-196	5.) <u>street broom</u>	5.) <u>2-flagman</u>
<input type="checkbox"/> R-197 to R-198.4	6.) <u>skid steer</u>	6.) <u>Superintendent Marco</u>
	7.) <u>roller</u>	7.) <u>dozer operator</u>

Figure 4.5 Example Daily Construction Observation Report (page 1 from a prior County submittal)



Competitive Advantage

The INTERA-GEC Team is intimately familiar with not only the SJC SPV project but also the other coastal management projects throughout the County. Team member, Dr. Rajesh Srinivas, PE, has worked in various capacities for over 30 years on virtually every coastal management project in the County. This experience includes directly serving as the County's trusted technical resource for the past eight years. Importantly, this experience working with staff from multiple departments within the County, local residents, and County Commissioners provides the basis for a deep understanding/appreciation of how the County operates, of what the County desires, and of the sensibilities and attitudes of the County residents towards beach projects.

Dr. Srinivas, is intimately familiar with FEMA's Category G program for beaches. As the County's representative, he conducted a damage assessment with County and FEMA staff following the impacts of hurricanes Ian and Nicole and determined that the project would qualify for FEMA cost-sharing on repairs under FEMA's Category G Permanent Works program. He conducted an in-depth engineering assessment to determine that FEMA would cost share on the replacement of 342,940 cy of sand from R-76 to R-102.5. Through an analysis of adjacent local projects and coastal processes, he was able to account for background accretion in the project area that increased the eligible sand volume from that solely determined from survey data by 27%. By applying the guidelines of FEMA's Hazard Mitigation Program, he was able to increase the number of plants eligible for FEMA cost sharing by over 70%. His knowledge of FEMA's Category G program and its application in St. Johns County will prove invaluable for executing the current project.

As demonstrated in Sections 2–3, the INTERA-GEC Team brings decades of experience of various staff members working on beach nourishment projects in St. Johns County and other Florida counties and beyond. While conducting such projects, our Team members have encountered and resolved multiple types of technical, permitting, and local residents' issues and gained vast experience and knowledge working with state and federal regulatory agency staff and policies, including USACE, FDEP, Florida Fish and Wildlife Conservation Commission (FWC), U.S. Fish and Wildlife Service (FWS), National Marine Fisheries Service (NMFS), and BOEM. INTERA-GEC's proposed Project Manager, Michael Trudnak, PE, has worked on nearly 30 beach and dune restoration/nourishment projects covering approximately 55 miles of shoreline; constructed projects have placed 9,700,000 cy along 39 miles of shoreline. His experience includes the original design and permitting of the 2022 SJC SPV project, including the development and implementation of the geotechnical, geophysical, and cultural resource data collection plan and subsequent design and permitting of the Shoal N3 borrow area as well as coordination with BOEM to help the County obtain the lease for Shoal N3. Mr. Trudnak also led the reconnaissance phase sand source investigation offshore northern St. Johns County that investigated Shoal N1 and N2.

With a local northeast Florida presence and a deep bench of 14 Florida-based coastal engineers, the INTERA-GEC Team offers the resources needed to meet the County's quality and service expectations and are typically able to attend impromptu in-County meetings with just an hour's notice. We believe that this degree of knowledge of local coastal processes, local issues, and the sensibilities of the local residents and County staff, together with the substantial experience of INTERA-GEC Team members with beach nourishment projects, is unmatched by any our competitors.

Solution Advantages

This project will follow a similar path to that of the 2022 SJC SPV project. However, some differences exist, as described below.

First, the bases for the choice of the borrow area for the current project are somewhat convoluted. Pros and cons exist to choosing either Shoal N3 or Shoal N1-B, both of which should have sufficient quantities of beach quality material immediately available. We think that the permitting and leasing processes of Shoal N3 should prove faster and easier than those for Shoal N1-B. Fortunately, the need of the current project only runs to a dredging volume of less than 700,000 cy – which is a small portion of the sand available at either of the shoals.

Use of Shoal N3 will clearly leave less sand available there for the USACE's SPVVB CSRSM project. At present, the borrow site has about 3,800,000 cy of sand available. The SPVVB CSRSM project still needs enough sand to cover three renourishment events and any unpredictable emergency post-storm events. In general, Shoal N3 appears to contain just enough sand to cover the needs of the SPVVB CSRSM project through its federally-authorized project life (until 2071). Though the SPVVB CSRSM project can use sands from the flood, and perhaps, the ebb shoals of St. Augustine Inlet, the USACE clearly expressed to us that it really prefers to use Shoal N3 for all the needs of the SPVVB CSRSM project due to Shoal N3's better sand quality that improves project performance as compared to the inlet sand. Thus, if the County uses Shoal N3 for the current project, in the distant future the USACE will have to rethink its strategy for the SPVVB CSRSM project.

On the other hand, though no immediate competing need exists for Shoal N1-B, it could serve as a borrow area for future renourishments of Ponte Vedra Beach. However, that need and its timing and magnitude pivot on how the upcoming PVB beach nourishment project performs. Given that PVB is immediately south of the Duval County Shore Protection Project (i.e., the PVB project will benefit from longshore dispersion of sand from Duval County) and that it lies beyond the St. Augustine Inlet's area of influence (i.e., away from any erosive effects of the inlet), a strong possibility exists that the sand placed in the upcoming PVB project may last many years, decreasing the project's need of sand from Shoal N1-B.

The INTERA-GEC Team will consider all these factors in consultation with County staff, and engage in conversations with the regulatory agencies before recommending to the County and finalizing the choice of the borrow area — one that meets the long-term needs of the County for managing its beaches countywide.

Second, the 2023 SPVVB CSRSM project encountered at Shoal N3 a small amount of unacceptable material (mostly MEC), which may also be present at Shoal N1-B. To address concerns regarding such material, we will develop specifications that specifically direct the contractor how to manage such material should they appear. Management measures will primarily consist of continuously screening the dredge discharge to separate out coarser materials (i.e., avoid beach placement) and handle and dispose them safely.

Third, the INTERA-GEC Team is aware that the performance of the 2022 SJC SPV project was less than ideal; we will strive to achieve better performance for the current project. To that end, we are committed to thoroughly analyzing the geotechnical data of the borrow area and native beach to identify the borrow area sediments viable for dredging and most compatible with South Ponte Vedra Beach sand.

We expect that our intimate knowledge of the characteristics of the 2022 SJC SPV project and the 2023 SPVVB CSRSM project should result in minimizing the number of unknowns for the current project and help meet the County's construction schedule and goals.

County Advantages

Property owners that do not provide construction easements create a vital issue that may affect the construction and performance of the current project. Such property owners will not receive any beach fill on their property, which extends seaward to the Erosion Control Line (ECL). This will result in transition areas from fill to no-fill parcels and potential fill placement only seaward of the ECL fronting such properties. We will consult with the County staff to determine appropriate fill placement measures for each of these properties. Our team members have substantial experience in dealing with such situations. In fact, Team member Dr. Rajesh Srinivas, PE, was intimately involved with this issue during the construction of the 2022 FEMA Post Matthew and Irma Category B Emergency Berm Project where he worked with County staff and the contractor to come up with reasonable solutions to handle these situations. Michael Trudnak, PE, encountered a similar situation on a large-scale beach restoration project in Walton County and City of Detsin, as did Charles Fontaine, PE, on a project in St. Lucie County. Our experience with this issue will benefit the County by reducing the amount of time and money spent on resolving such "fill deficiencies."

All-in-all, the INTERA-GEC Team provides unmatched experience on St. Johns County beach nourishment projects, unmatched knowledge of local coastal processes and issues, and unmatched familiarity with County staff and local resident concerns. This experience, knowledge, and familiarity, combined with our local presence and commitment to excellent service, will translate to a successful project for the County.



Section 5: Proposed Schedule

The INTERA-GEC Team will expedite our services, to the degree possible, with the intent of allowing construction to commence as early as possible in 2025, before the most active portion of hurricane season. Our proposed schedule on the following pages allows the County to solicit bids during February 2025 and construction phase services to begin May 2025. We will take all steps feasible to expedite this schedule; however, some key items (e.g., USACE’s willingness to expedite the permit modification) will remain beyond our control. Such factors may elongate or shrink the schedule from what we have estimated here.

The following list highlights key assumptions and potential hurdles in meeting the schedule.

- The County will present the Award Recommendation to SJC BOCC on 5/7/2024 (per the RFQ) and execute the Task Order by 6/1/2024.
- The two-year SJC SPV project monitoring data will prove sufficient (i.e., a new beach profile survey is unnecessary) for the permit-level beach fill design and permit drawings, which therefore may begin promptly.
- Collection of new borrow area field data will require 60 days; however, this duration could change depending on the coverage and quality of previously collected data compiled and reviewed in Task 1.
- FDEP will issue only one RAI, 30 days after receiving the permit application/permit modification request; we will submit a response within 15 days of receiving the RAI.
- Florida Administrative Code Rule 62-4.055 allows FDEP 90 days for permit approval upon receiving a complete application (i.e., a satisfactory RAI response). FDEP often expedites issuance of the permit and likely will for the current project; thus, the proposed schedule includes just 60 days.
- USACE will issue only one RAI, 30 days after receiving the application, we will submit a response within 30 days of receiving the RAI, and USACE will issue the permit modification 75 days after receiving our RAI response. However, unlike FDEP, no rules govern USACE to issue RAIs or permits within any certain timeframe and required federal consultation with U.S. Fish and Wildlife Service and National Marine Fisheries Service often delays permit issuance. The total allotted time (4.5 months) for permit issuance is possible (and potentially could be expedited) for the anticipated permit modification, though USACE could take much longer.
- To expedite the schedule, the INTERA-GEC Team will conduct certain tasks concurrently rather than sequentially. For example, we will begin preparing the permit applications while conducting the borrow area field data collection and design tasks and prepare the construction drawings and specifications during the permitting phase.
- The County will commence bid solicitation seven days after receiving all permits and contract documents and execute the construction contract with the contractor 60 days after receiving bids.
- Project construction, including mobilization and demobilization, will require 90 days, the approximate time required for the 2022 project.
- Environmental monitoring during the year of construction may extend until November 30.

The following pages include a condensed schedule (Table 5.1), showing only the primary tasks for simplicity, and a detailed schedule (Table 5.2) showing select subtasks, followed by a plot of the task end dates and key milestones (Figure 5.1). Inherent in all tasks is time for the INTERA-GEC Team to closely coordinate with the County to receive County review comments on all submittals and satisfactorily address all comments.

Table 5.1 Proposed Schedule (Condensed)

Task Description	Start Date ¹	End Date	Duration (days)
Task 1 — Assessment of Existing Information and Gaps Identification	6/1/2024	7/1/2024	30
Task 2 — New Data Collection ²	7/1/2024	8/30/2024	60
Task 3 — Permit-Level Design of Beach Placement Area ²	7/1/2024	8/30/2024	60
Task 4 — Design of Borrow Area	8/30/2024	9/29/2024	30
Task 5 — Permit Application and Submittal ^{3,4,5}	8/30/2024	1/27/2025	150
Task 6 — BOEM Lease Agreement for Borrow Area	6/1/2024	1/27/2025	240
Task 7 — Final Design of Placement and Borrow Areas ⁵	11/13/2024	1/27/2025	75
Task 8 — Preparation of Construction Documents ⁵	11/13/2024	1/27/2025	75
Task 9 — Bidding Phase Assistance ⁶	2/3/2025	3/5/2025	30
Task 10 — Construction Phase Services ⁶	5/4/2025	8/22/2025	110
Task 11 — Post-Construction Documentation	8/22/2025	9/21/2025	30
Task 12 — Environmental Monitoring	5/1/2025	11/30/2025	213
Task 13 — Community Engagement	6/1/2024	9/21/2025	477
Task 14 — FEMA Process and Coordination	6/1/2024	11/30/2025	547
Task 15 — County Coordination	6/1/2024	12/31/2025	578

Assumptions:

¹Presentation of Award Recommendation to SJC BOCC on 5/7/2024 and Task Order execution by 6/1/2024.

²The two-year SJC SPV project monitoring data will prove sufficient (i.e., a new beach profile survey is not required) for permit-level beach fill design.

³FDEP will issue only one RAI, 30 days after receiving the application. FL Rule 62-4.055 allows FDEP 90 days for permit approval upon receiving a complete application (i.e., satisfactory RAI response), yet FDEP likely will not take the full allotted time; the schedule assumes 60 days.

⁴USACE will issue only one RAI, 30 days after receiving the application, and will issue the permit modification 75 days after receiving our RAI response; however, unlike FDEP, no rules govern USACE to issue RAIs or permits within any certain timeframe.

⁵To expedite the schedule, the INTERA-GEC Team will perform tasks concurrently when possible; we will commence preparing the permit application during the borrow area field data collection and design tasks and prepare the construction drawings and specifications while awaiting FDEP and USACE permits.

⁶County will commence bid solicitation seven days after receiving all permits and contract documents and execute the construction contract with the recommended contractor 60 days after receiving bids.



Table 5.2 Proposed Schedule (Detailed)

Task Description	Start Date ¹	End Date	Duration (days)
Task 1 — Assessment of Existing Information and Gaps Identification	6/1/2024	7/1/2024	30
Review latest physical monitoring report & beach profile data	6/1/2024	6/21/2024	20
Review existing borrow area information and select appropriate borrow site	6/1/2024	6/21/2024	20
Schedule & Conduct BOEM, FDEP, and USACE pre-application meetings	6/1/2024	7/1/2024	30
Develop data collection plan	6/1/2024	7/1/2024	30
Task 2 — New Data Collection²	7/1/2024	8/30/2024	60
Borrow area hydrographic survey	7/1/2024	8/30/2024	60
Borrow area geophysical and cultural resource surveys	7/1/2024	8/30/2024	60
Borrow area vibracore collection	7/1/2024	8/30/2024	60
Task 3 — Permit-Level Design of Beach Placement Area²	7/1/2024	8/30/2024	60
Site Visit	7/1/2024	7/16/2024	15
Develop permit-level beach fill template plan and cross section views	7/1/2024	8/30/2024	60
Task 4 — Design of Borrow Area	8/30/2024	9/29/2024	30
Design dredging template (upon receiving vibracore data)	8/30/2024	9/29/2024	30
Sediment Compatibility Analysis (upon receiving vibracore data)	8/30/2024	9/29/2024	30
Task 5 — Permit Application and Submittal^{3,4,5}	8/30/2024	1/27/2025	150
Prepare FDEP and USACE permit applications	8/30/2024	9/29/2024	30
Respond to FDEP RAI#1 ³	10/29/2024	11/13/2024	15
Coordinate with FDEP and County post-RAI#1 for issuance of FDEP permit ³	11/13/2024	1/12/2025	60
Respond to USACE RAI#1 ⁴	10/29/2024	11/13/2024	15
Coordinate with USACE and County post-RAI#1 for issuance of USACE permit ⁴	11/13/2024	1/27/2025	75
Task 6 — BOEM Lease Agreement for Borrow Area	6/1/2024	1/27/2025	240
Lease Agreement coordination	6/1/2024	1/27/2025	240
Environmental Assessment	7/1/2024	10/29/2024	120
Borrow are excavation impact analysis (if necessary)	9/29/2024	11/28/2024	60
Task 7 — Final Design of Placement and Borrow Areas⁵	11/13/2024	1/27/2025	75

Task Description	Start Date ¹	End Date	Duration (days)
Conduct construction-level beach profile survey	11/13/2024	12/28/2024	45
Prepare beach fill template construction drawings	12/28/2024	1/27/2025	30
Prepare borrow area construction drawings	11/13/2024	1/12/2025	60
Develop planting plan	11/13/2024	1/12/2025	60
Develop sand fence (rope-and-post) plan	11/13/2024	1/12/2025	60
Task 8 — Preparation of Construction Documents⁵	11/13/2024	1/27/2025	75
Review and update Specifications prepared for the 2022 SJC SPV	11/13/2024	1/27/2025	75
Develop Schedule of Values	11/13/2024	1/27/2025	75
Develop Opinion of Probable Construction Cost	11/13/2024	1/27/2025	75
Task 9 — Bidding Phase Assistance⁶	2/3/2025	3/5/2025	30
Attend pre-bid Meeting and assist preparation of addenda	2/3/2025	3/5/2025	30
Task 10 — Construction Phase Services⁶	5/4/2025	8/22/2025	110
Pre-construction Coordination	5/4/2025	5/24/2025	20
Construction Administration (mobilization through demobilization)	5/24/2025	8/22/2025	90
Task 11 — Post-Construction Documentation	8/22/2025	9/21/2025	30
Pre-final and Final Inspections	8/22/2025	9/21/2025	30
Certificate of Completion	8/22/2025	9/21/2025	30
Task 12 — Environmental Monitoring	5/1/2025	11/30/2025	213
Pre-construction monitoring (May 1 - construction NTP)	5/1/2025	5/24/2025	23
Post-construction monitoring	8/22/2025	11/30/2025	100
Task 13 — Community Engagement	6/1/2024	9/21/2025	477
Public Workshop #1	6/1/2024	9/21/2025	477
Public Workshop #2	6/1/2024	9/21/2025	477
Public webpage development and maintenance	3/5/2025	9/21/2025	200
Coordination as needed	6/1/2024	9/21/2025	477
Task 14 — FEMA Process and Coordination	6/1/2024	11/30/2025	547
Coordinate with County and FEMA	6/1/2024	11/30/2025	547
Task 15 — County Coordination	6/1/2024	12/31/2025	578
Coordinate with County and provide weekly progress updates	6/1/2024	12/31/2025	578

Assumptions:

¹Presentation of Award Recommendation to SJC BOCC on 5/7/2024 and Task Order execution by 6/1/2024.

²The two-year SJC SPV project monitoring data will prove sufficient (i.e., a new beach profile survey is not required) for permit-level beach fill design.

³FDEP will issue only one RAI, 30 days after receiving the application. FL Rule 62-4.055 allows FDEP 90 days for permit approval upon receiving a complete application (i.e., satisfactory RAI response), yet FDEP likely will not take the full allotted time; the schedule assumes 60 days.

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⁵To expedite the schedule, the INTERA-GEC Team will perform tasks concurrently when possible; we will commence preparing the permit application during the borrow area field data collection and design tasks and prepare the construction drawings and specifications while awaiting FDEP and USACE permits.

⁶County will commence bid solicitation seven days after receiving all permits and contract documents and execute the construction contract with the recommended contractor 60 days after receiving bids.

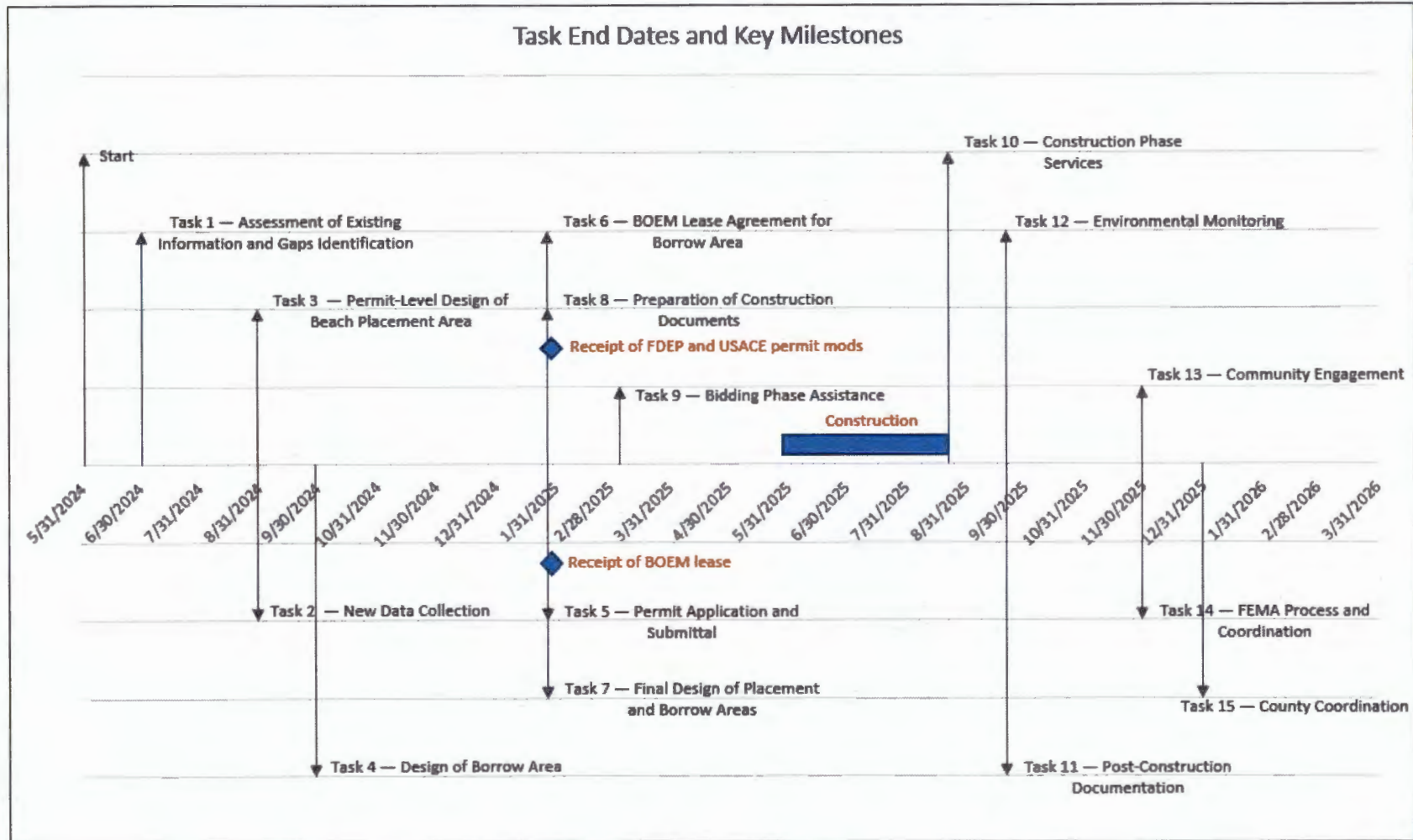


Figure 5.1 Proposed Schedule — Task End Dates and Key Milestones

Section 6: Quality Control Methods

INTERA-GEC embraces the following core service philosophy. We pride ourselves on addressing our clients' needs as if they were our own. We bring to all projects the insights and expertise we have gained from our work on thousands of projects—and a promise to do our best work on each client's behalf. Our service philosophy is based on working with clients as partners, rather than just for clients, and to:

- Keep the client's interests in mind,
- Ask for the client's input,
- Keep our word,
- Make our client's life easier, and
- Provide honest, technically sound, and timely answers.

To ensure we meet this core philosophy, we assign a Project Manager and main point of contact, who is readily accessible and responsible to the County. For this work, INTERA-GEC's Michael Trudnak, PE, our Jacksonville-based Project Manager, will manage in-house resources and our sub-consultants and serve as the main point of contact for the County. He commits to being accessible and responsive to the County for the duration of the project. As overall Project Manager, he will develop and oversee the scope and budget and allocate and approve project staffing and charges. He is also responsible for implementing INTERA-GEC's quality assurance/quality control (QA/QC) plan (described in the next section). A secondary contact includes Michael Krecic, Senior Coastal Engineer. Both individuals' familiarity with the County's coastal issues and past and present projects will allow INTERA-GEC to promptly respond to requests with a thorough understanding of the needs and concerns to be addressed. Their combined experience on St. Johns County projects includes such projects as:

- Study of Summer Haven River and Surrounding Areas and Study of Summer House Erosion
- SR A1A Summer Haven Revetment Reconstruction Design-Build Project
- Mickler's Fishing Wharf Assessment
- Alpine Groves Park Shoreline Restoration
- 2022 Post Construction Marine Turtle Monitoring
- Post-Tropical Storm Fay Summer Haven FEMA Emergency Berm Project,
- Summer Haven Old A1A Revetment Rehabilitation Permitting (pre-Hurricane Matthew),
- Summer Haven Beach Maintenance Project,
- Summerhouse FEMA Letter of Map Revision,
- Summerhouse Vulnerability Study,
- Reconnaissance Phase Sand Source Investigation for Northern St. Johns County,
- South Ponte Vedra Beach Dune Restoration Project,
- Twentieth Street Emergency Fill and Seawall CCCL Permitting,
- Post-Hurricane Matthew Coastal Engineering Disaster Recovery Consulting Services,
- St. Johns County Shore Protection Project, and
- St. Augustine Inlet Management Plan.

Should the County select INTERA-GEC for this work, our Project Manager — in collaboration with INTERA-GEC management and team members — will prepare a draft proposal including (1) Scope of work, (2) Fee budget estimate, and (3) Schedule. Our Project Manager will confer with the County to confirm staff assignments and underlying assumptions. All assigned team members and QA/QC staff will review and approve the proposal before submitting to the County. The INTERA-GEC Team will work with the County to develop a scope, fee, and schedule that best meets the needs of the County.

Following County issuance of the task order, Mr. Trudnak will prepare INTERA-GEC's QA/QC plan. See the Quality Control Methods section below for details of this plan. An essential first step will include holding a kickoff meeting with County staff as well as an internal kickoff meeting with the Team members to discuss key project goals, milestones, and schedule and the QA/QC plan that will lead to a successful project. Throughout the project, Mr. Trudnak will work closely with the County's Project Manager to receive feedback and ensure that the work plan tasks and activities are meeting the County's budget, schedule, and quality expectations.

Project management and control functions will occur in accordance with a well-established web-based system, Axiom's Ajera Complete, which integrates time keeping, accounting, and accounts receivable. INTERA-GEC currently utilizes Ajera on all projects. Because the system is web-based, the Project Manager may access it anywhere and by any device with an internet connection. The Project Manager applies earned value management techniques to advise and lead the team by assessing project performance via comparison of worked performed and work planned and updating and refining the budget and schedule — consistent with the task order — to chart successful completion of the work. Our project management system allows early identification of problem areas so that we can apply any required corrective measures in a timely manner.

Keeping County staff informed of project progress is vital for a successful project. INTERA-GEC will submit weekly progress updates to County staff via email. The updates, submitted in Adobe PDF format, will describe progress since submittal of the prior report, any changes to the project schedule, and include a running log of updates from all prior reports such that each weekly report is all-inclusive of the project's progress since commencement. Regardless of project phase, the progress report will also include a forecasted work plan that shows the planned and actual progress against major work activities. The previous month's activities will show the work planned and the work accomplished. The planned activities will roll up into the appropriate activities planned in the contract detail schedule.

Finally, INTERA-GEC's senior management will perform routine project audits with the County to assess project performance and reallocate resources as necessary to address potential issues. At internal INTERA-GEC team meetings held throughout the project, members will discuss County feedback. We will use this information to improve quality and performance on this and succeeding County projects.

Quality Control Methods

Upon receiving the work, Mr. Trudnak, in consultation with the Team's QA/QC principals, will develop a QA/QC plan. The plan will identify the individuals responsible for quality control and the specific procedures utilized to ensure delivery of a quality product. The plan will also detail quality assurance measures, the method of accountability, and required documentation. Quality results from a partnership between those providing the technical services and those responsible for quality assurance. Those providing technical services must implement quality control to ensure products and services meet or



exceed expectations of quality. Those responsible for quality assurance must review or audit these products and services to ensure the quality control efforts achieve the desired results. INTERA-GEC will follow a uniform review process regardless of the team members performing the work.

Philosophy

Work products and client service act like a consultant's business card. A team that produces high quality and accurate documents and services on time and budget will improve its chances of receiving continued service contracts from its clients. The essence of ensuring quality products and services occurs through the establishment of effective and ongoing quality control procedures. These effective quality control procedures begin with bringing together knowledgeable staff dedicated to producing a quality product and providing quality service. A QA/QC plan itself establishes a series of checks. These checks ensure our clients that the documents and services produced meet the intent of the scope of services, as well as any required modifications to that scope that arise as INTERA-GEC produces the documents and provides the services. Quality control can only prove effective if all members of the team commit to the plan. This commitment must include dedicated design staff, project managers, and especially top management. Each staff member must know the key elements of a QA/QC plan. These key elements include:

- Knowledge of design criteria, standards, and specifications,
- Understanding of the client's and project's requirements,
- Implications of failure to produce a high-quality product or provide responsive client service,
- Familiarity with office procedures and practices,
- Organization and clarity of reports, permit applications, plans, presentation graphics, specifications, and calculations,
- Maintenance and organization of project records,
- Maintaining design skills through training and education in new techniques,
- Continuous review of documents, and
- Legal liabilities of the team as it relates to the project.

Objectives

For this project, INTERA-GEC has established the following general objectives.

- Products of this work will align with the policies, procedures, and standards of the County as well as industry-accepted practices.
- Data collection and all data analysis will adhere to professionally accepted methods and standards including those of the Florida Department of Environmental Protection, U.S. Army Corps of Engineers and its sister agencies, the Bureau of Ocean Energy Management, and the Federal Emergency Management Agency.
- All work performed as a part of this work will utilize a format that allows easy use by others. Permit applications, plans, and specifications will appear clear and concise.
- Public presentation graphics will address the technical aspects of the project with the stakeholders in mind.
- Construction management support services will adhere to the philosophy that we are acting as the County's representative.

Duties and Responsibilities

INTERA-GEC has assigned the responsibility of quality assurance to Mark Gosselin, PhD, PE as INTERA’s QA Principal-in-Charge and Michael Walther, PE, DCE as GEC’s QA Principal-in-Charge. They will review and certify that staff have performed production and quality control procedures effectively and appropriately. The overall quality of a project is the responsibility of INTERA-GEC’s Project Manager, Michael Trudnak, PE. Various technical professionals will also participate in the quality control process for this project. The quality control team consists of the following personnel:

- QA Principal-in-Charge,
- Project Manager,
- Reviewers, and
- Responsible Professionals.

The specific responsibilities and duties of these individuals appear below.

QA Principal-in-Charge

Mark Gosselin, PhD, PE, and Michael Walther, PE, DCE will accomplish their responsibilities by the early definition of the project's products and services, early establishment and review of project strategies, review of critical activities in the project schedule, oversight of quality control reviews to ensure that they have occurred, and identification of coordination efforts required for final reviews.

Project Manager

The Project Manager, Michael Trudnak, PE, participates, coordinates, and leads the quality control process for this project. The Project Manager has primary responsibility for the production activities and for the quality of the technical design products and services. The Project Manager will ensure that all nine project sub-consultants (Arc Surveying & Mapping, Ardurra Group, Athena Technologies, Chronicle Heritage, CMar Consulting, Coastal Conservation Group, Coastal Eco-Group, Meskel and Associates, and Sonographics) will follow the same quality control procedures. The Project Manager will select an individual team of professionals to review the various design elements. The Project Manager will schedule the quality assurance reviews and ensure Responsible Professionals incorporate or address all comments from these reviews in the final product before delivery. The Project Manager will assume responsibility for evaluating the clarity of the final products to ensure they comply with the intent of the County. The Project Manager will ensure communication among the quality control team and resolve any disagreements between the reviewer and originator of the comments.

QC Reviewers

The Project Manager will assign experienced professionals to perform the quality control reviews for each element of the work on this project. The reviewers, independent of the production of the project, will verify the accuracy of the work, ensure the work conforms to the project requirements, and the work is free of errors and omissions. The QC Reviewers will check concepts, methods of preparation, and presentation. The QC Reviewers will review all draft documents (e.g., permit applications), letters, presentation materials, and/or completed conceptual and final design calculations and cost estimates.



Responsible Professionals

The Responsible Professionals (i.e., any INTERA and GEC technical staff assigned to this project) must understand the standards, policies, and procedures of INTERA-GEC and the County. Staff will comply with these criteria or will highlight necessary variances. The Responsible Professionals will implement revisions after each quality control review. Figure 6.1 shows the flow chart of the QC process envisioned for this project.

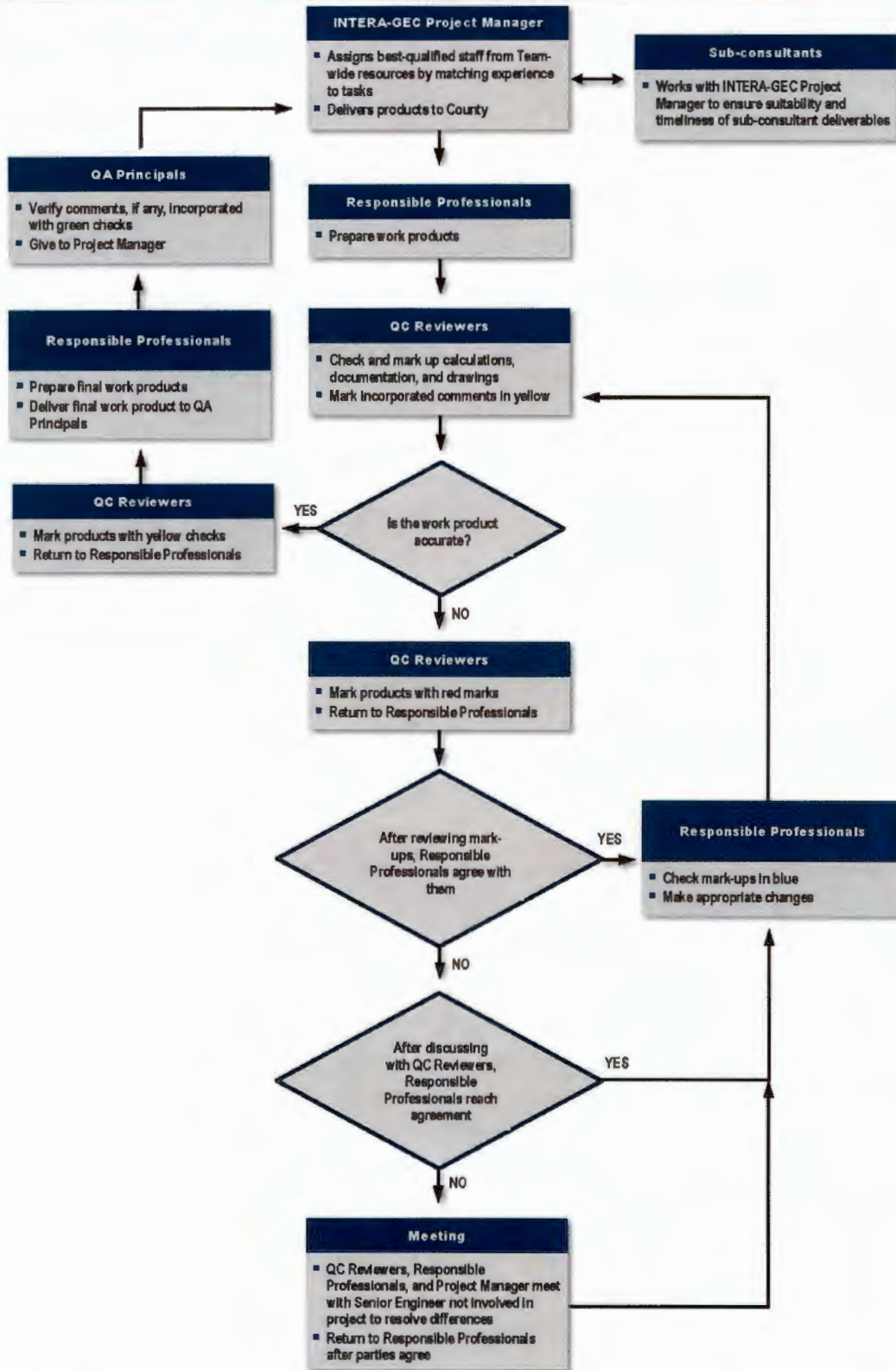


Figure 6.1 Quality Control Process Flow Chart

QC Activities

A. Kick-off Meeting

At the commencement of the project, the Project Manager, inviting all Responsible Professionals and designated QC Reviewers for this project, will conduct a Kick-off Meeting. At this meeting, the Project Manager will explain the quality control process, establish the quality control roles, and distribute a copy of the project’s scope of services along with the project schedule. The Project Manager will record attendance at this meeting and prepare meeting minutes for post-meeting distribution to all attendees.

B. Development/Preparation of Standard Checklists

The Project Manager, at the beginning of the project, will modify INTERA’s standard checklists for use on this project. These checklists will likely include:

- General study items,
- Desktop data collection,
- Field data collection,
- Borrow area design,
- Beach fill design,
- Permit applications/modifications requests
- Borrow area lease request
- Construction plans and specifications
- Construction schedule
- Opinion of probable cost for beach fill construction
- Bidding phase assistance,
- Construction phase services,
- Construction close-out activities,
- Post-construction physical and environmental monitoring,
- Community engagement presentation materials, and
- Other services as needed.

Based on the scope of services, contract negotiations, and other items identifying project requirements, the Project Manager will customize these checklists to reflect the true scope of services for the project.

The Project Manager will use these checklists to establish work assignments for the preparation of the work elements. Work activities will follow these customized checklists to ensure that at the end of a phase period, the Responsible Professionals have completed the components for that phase of the project.

Quality control activities will utilize the customized checklists before submitting products for phase review by the County. QC Reviewers will mark comments from their reviews on these checklists. INTERA-GEC will keep these marked-up checklists and include them in the project’s files.

C. Production Checking Requirements

Before each submittal review (e.g., permit applications and construction documents), the Responsible Professionals for each work element will use the adjusted checklist to document their detailed checking of all work prepared under their direction.

D. Coordination Reviews

The Project Manager and the Responsible Professionals will use the adjusted checklist and a Quality Process Log to document reviews. These reviews serve to check compatibility of all project elements, the inclusion of project requirements and conditions, readability, and completion of all documents before each phase submittal.

E. Control of Subconsultants

A schedule of submittals and requirements for deliverables for our subconsultant will appear in the project schedule. The Project Manager will regularly contact the subconsultants to monitor their progress on this project.

F. Technical Professional Reviews

The Responsible Professionals, before submitting the final product to the Project Manager, will have the product completely reviewed by a QC Reviewer, an individual with the necessary professional expertise to accomplish this review.

G. Use of Review Checklists

INTERA-GEC will utilize review checklists to control the quality of the deliverables.

The anticipated deliverables include:

1. An existing data review and gaps identification report,
2. BOEM lease request, including any NEPA documentation,
3. FDEP permit application and any RAI responses,
4. Department of Army permit application and RAI responses,
5. Draft and final construction plans and specifications,
6. Opinion of probable costs and schedule of values
7. Anticipated construction schedule,
8. Pre-bid meeting technical agenda and post-meeting notes,
9. Pre- and post-construction (validation) beach profile surveys
10. Documentation of contractor construction activities,
11. Environmental monitoring results,
12. Construction progress website, and
13. Other deliverables as needed.

INTERA-GEC will mark deliverables with the following QC stamp that shows the QC process.

QUALITY CONTROL TRACKING STAMP				
STEP	ACTIVITY	TASK OR DISCIPLINE		
1	READY FOR REVIEW	RP:		
		DATE:		
2	REVIEW OF THE DELIVERABLE (YELLOW = OK; RED = CORRECTION)	QCR:		
		DATE:		
3	CONCURRENCE (BLUE)	RP:		
		DATE:		
4	INCORPORATION (YELLOW)	RP:		
		DATE:		
5	VERIFICATION (GREEN CHECK = OK; BLACK = FIX)	QCR:		
		DATE:		

Coordination of Sub-consultants

We will perform and manage work with an overriding principle — INTERA-GEC is responsible and accountable to the County for the management and quality of all work conducted by the sub-consultants. The project schedule will include a schedule of submittals and requirements for our sub-consultants. The Project Manager will regularly correspond with our sub-consultants to monitor their progress on their task assignments.

Ability to Meet Schedules in a Timely Manner

An excellent indicator of INTERA’s and GEC’s successes in meeting schedules and budgets is the long-term relationships we have been able to establish with clients. Notably, over 85% of our business comes from repeat clients. We have achieved this success by providing high quality service and products on time and budget, establishing effective communications, and responding to each client’s specific needs. In cases where a budget is exceeded and work remains, we typically perform the remaining work at our own expense. Our employees and clients clearly stand behind our core values of integrity, excellence, and accountability. The longevity of the INTERA-GEC member companies—both INTERA and GEC have been in business for over 35 years—and record of client satisfaction demonstrates our ability in managing our workloads to deliver high quality products and service in accordance with project budgets and schedules.

The INTERA-GEC Team offers St. Johns County the resources needed to complete the work associated with this request. Currently, INTERA-GEC’s member firms, INTERA and GEC, employ nearly 400 full-time engineers, scientists, and support staff. However, in the event performance of the work deviates from the budget and time schedule, INTERA-GEC will put together a recovery plan to achieve compliance with the approved schedule. Mr. Trudnak will immediately notify the County of any schedule deviations and work with the County to bring the project back into compliance. Should non-compliance issues arise through no fault of INTERA-GEC, we will make note of these deviations and immediately alert the County so that we can collaboratively work together to solve any issues and bring the project back into compliance or adjust subsequent downstream activities accordingly while limiting their effect on the project completion date.



RFQ NO. 1712R FEMA Category G - South Ponte Vedra Beach Dune Restoration Project Development, Design, Permitting, and Construction Administration

ATTACHMENT A
QUALIFICATION CERTIFICATION

The Undersigned presents this Qualification Submittal to be considered as a Qualified Engineering Firm for RFQ NO. 1712R FEMA Category G - South Ponte Vedra Beach Dune Restoration Project Development, Design, Permitting, and Construction Administration

A copy of the license(s) under which our firm is engaged in the business of contracting in the state of Florida is attached. This license was issued in accordance with provisions of Section 489.113, or 471.023 Florida Statutes, and is currently valid and in force.

It is further understood that qualification, if given, shall be valid for the purpose of responding to the above solicitation, unless suspended or terminated by St. Johns County.

The Undersigned authorizes and requests any public official, engineer, architect, Surety Company, bank depository, material or equipment manufacture or distributor or any person, firm or corporation to furnish all information requested by St. Johns County, to verify statements given with this Qualification Submittal.

The Undersigned further authorizes the St. Johns County, FL designee to disclose, without any liability whatsoever, any and all information contained in the Qualification Submittal.

The Undersigned has not been disqualified by any public agency in Florida except as indicated below. (If none, insert: "N/A")

N/A

(Full Legal Company Name)

This 25th day of March, 20 24

Attest: Charles Fontaine III

APPROVED: Mark Gossein

By: Charles Fontaine III, Manager
Name and Title of Officer

By: Mark Gossein, Manager
Name and Title of Authorized Officer

Sworn to (or affirmed) and subscribed before me by means of physical presence or online notarization, this 25th day of March, 20 24, by Mark Gossein, who is personally known to me or has produced _____ as identification.



Vikki Padgett

Notary Public

My Commission Expires: 7/29/27

RFQ NO. 1712R FEMA Category G - South Ponte Vedra Beach Dune Restoration Project Development, Design, Permitting, and Construction Administration

ATTACHMENT B
CLAIMS, LIENS, LITIGATION HISTORY
(Complete and Submit)

1. Within the past 7 years, has your organization filed suit or a formal claim against a project owner (as a prime or subcontractor) or been sued by or had a formal claim filed by an owner, subcontractor or supplier resulting from a contract dispute? Yes _____ No If yes, please attach additional sheet(s) to include:

Description of every action Captions of the Litigation or Arbitration

Amount at issue: _____ Name (s) of the attorneys representing all parties:

Amount actually recovered, if any: _____

Name(s) of the project owner(s)/manager(s) to include address and phone number:

2. List all pending litigation and or arbitration.

N/A

3. List and explain all litigation and arbitration within the past seven (7) years - pending, resolved, dismissed, etc.

N/A

4. Within the past 7 years, please list all Liens, including Federal, State and Local, which have been filed against your Company. List in detail the type of Lien, date, amount and current status of each Lien.

N/A

5. Have you ever abandoned a job, been terminated or had a performance/surety bond called to complete a job?

Yes _____ No If yes, please explain in detail:

6. For all claims filed against your company within the past five-(5) years, have all been resolved satisfactorily with final judgment in favor of your company within 90 days of the date the judgment became final? Yes _____ No _____

If no, please explain why? N/A

7. List the status of all pending claims currently filed against your company:

N/A

Liquidated Damages

1. Has a project owner ever withheld retainage, issued liquidated damages or made a claim against any Performance and Payment Bonds? Yes _____ No If yes, please explain in detail:

(Use additional or supplemental pages as needed)

RFQ NO. 1712R FEMA Category G - South Ponte Vedra Beach Dune Restoration Project Development, Design, Permitting, and Construction Administration

ATTACHMENT C
AFFIDAVIT OF SOLVENCY

STATE OF Florida
COUNTY OF Alachua

PERTAINING TO THE SOLVENCY OF INTERA-GEC, LLC, being of lawful age and being duly sworn I, Mark Gosselin, as Manager (ex: CEO, officer, president, duly authorized representative, etc.) hereby certify under penalty of perjury that:

1. I have reviewed and am familiar with the financial status of above stated entity.
2. The above stated entity possesses adequate capital in relation to its business operations or any contemplated or undertaken transaction to timely pay its debts and liabilities (including, but not limited to, unliquidated liabilities, unmatured liabilities and contingent liabilities) as they become absolute and due.
3. The above stated entity has not, nor intends to, incur any debts and/or liabilities beyond its ability to timely pay such debts and/or liabilities as they become due.
4. I fully understand failure to make truthful disclosure of any fact or item of information contained herein may result in denial of the application, revocation of the Certificate of Public Necessity if granted and/or other action authorized by law.

The undersigned has executed this Affidavit of Solvency, in his/her capacity as a duly authorized representative of the above stated entity, and not individually,

DATED this 25th day of March, 2024.



Signature of Affiant

Mark Gosselin

Printed Name of Affiant

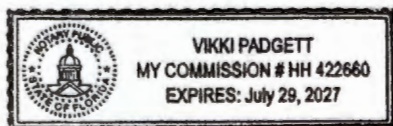
Manager

Printed Title of Affiant

INTERA-GEC, LLC

Full Legal Name of Respondent

Sworn to (or affirmed) and subscribed before me by means of physical presence or online notarization, this 25th day of March, 2024, by Affiant, who is personally known to me or has produced _____ as identification.





Notary Public

My Commission Expires: 7/29/2027

RFQ NO. 1712R FEMA Category G - South Ponte Vedra Beach Dune Restoration Project Development, Design, Permitting, and Construction Administration

ATTACHMENT D
AFFIDAVIT

STATE OF Florida
COUNTY OF Alachua

At the time the Qualification is submitted, the Respondent shall attach to his submittal a sworn statement. The sworn statement shall be an affidavit in the following form, executed by an officer of the firm, association or corporation submitting the proposal and shall be sworn to before a person who is authorized by law to administer oaths.

Before me, the undersigned authority, Mark Gosselin ("Affiant") who, being duly sworn, deposes and says he/she is Manager (Title) of INTERA-GEC, LLC (Respondent) the respondent submitting the attached proposal for the services covered by the RFQ documents for **RFQ NO. 1712R FEMA Category G - South Ponte Vedra Beach Dune Restoration Project Development, Design, Permitting, and Construction Administration**

The affiant further states that no more than one proposal for the above referenced project will be submitted from the individual, his firm or corporation under the same or different name and that such respondent has no financial interest in the firm of another respondent for the same work, that neither he, his firm, association nor corporation has either directly or indirectly entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with this firm's proposal on the above described project. Furthermore, neither the firm nor any of its officers are debarred from participating in public contract lettings in any other state.

DATED this 25th day of March, 2024.

Mark Gosselin
Signature of Affiant

Mark Gosselin
Printed Name of Affiant

Manager
Printed Title of Affiant

INTERA, GEC, LLC
Full Legal Name of Respondent

Sworn to (or affirmed) and subscribed before me by means of physical presence or online notarization, this 25th day of March, 2024, by Affiant, who is personally known to me or has produced _____ as identification.



Vikki Padgett
Notary Public
My Commission Expires: 7/29/2027

RFQ NO. 1712R FEMA Category G - South Ponte Vedra Beach Dune Restoration Project Development, Design, Permitting, and Construction Administration

**ATTACHMENT E
CONFLICT OF INTEREST DISCLOSURE FORM**

Project (RFQ) Number/Description: **RFQ NO. 1712R FEMA Category G - South Ponte Vedra Beach Dune Restoration Project Development, Design, Permitting, and Construction Administration**

The term "conflict of interest" refers to situations in which financial or other considerations may adversely affect, or have the appearance of adversely affecting a Respondent's professional judgment in completing work for the benefit of St. Johns County ("County"). The bias such conflicts could conceivably impart may inappropriately affect the goals, processes, methods of analysis or outcomes desired by the County.

Respondents are expected to safeguard their ability to make objective, fair, and impartial decisions when performing work for the benefit of the County. Respondent's, therefore must avoid situations in which financial or other considerations may adversely affect, or have the appearance of adversely affecting the Respondent's professional judgement when completing work for the benefit of the County.

The mere appearance of a conflict may be as serious and potentially damaging as an actual distortion of goals, processes, and methods of analysis or outcomes. Reports of conflicts based upon appearances can undermine public trust in ways that may not be adequately restored even when the mitigating facts of a situation are brought to light. Apparent conflicts, therefore, should be disclosed and evaluated with the same vigor as actual conflicts.

It is expressly understood that failure to disclose conflicts of interest as described herein may result in immediate disqualification from evaluation or immediate termination from work for the County.

Please check the appropriate statement:



I hereby attest that the undersigned Respondent has no actual or potential conflict of interest due to any other clients, contracts, or property interests for completing work on the above referenced project.



The undersigned Respondent, by attachment to this form, submits information which may be a potential conflict of interest due to other clients, contracts or property interests for completing work on the above referenced project.

Legal Name of Respondent: INTERA-GEC, LLC

Authorized Representative(s): *Mark Gosselin*
Signature

Mark Gosselin/Manager
Print Name/Title

Signature

Print Name/Title

RFQ NO. 1712R FEMA Category G - South Ponte Vedra Beach Dune Restoration Project Development, Design,
Permitting, and Construction Administration

ATTACHMENT F
DRUG-FREE WORKPLACE FORM

The undersigned firm, in accordance with Florida Statute 287.087 hereby certifies that

INTERA-GEC, LLC does:

Name of Firm

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 danger of drug abuse in the workplace, the business' policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, employee assistance programs and the penalties that may be imposed upon employees for drug abuse violations.
3. Give each employee engaged in providing the contractual services that are described in St. Johns County's Request for Qualification to provide bond underwriter services a copy of the statement specified in paragraph 1.
4. In the statement specified in paragraph 1, notify the employees that, as a condition of working on the contractual services described in paragraph 3, 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 Florida Statute 893, as amended, or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than three (3) days after such conviction or plea.
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. Consistent with applicable provisions with State or Federal law, rule, or regulation, make a good faith effort to continue to maintain a drug-free workplace through implementation of paragraphs 1 through 5.

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



Signature

3/25/2024

Date

RFQ NO. 1712R FEMA Category G - South Ponte Vedra Beach Dune Restoration Project Development, Design, Permitting, and Construction Administration

ATTACHMENT G
E-VERIFY AFFIDAVIT

STATE OF Florida
COUNTY OF Alachua

I, Mark Gosselin (hereinafter "Affiant"), being duly authorized by and on behalf of INTERA-GEC, LLC (hereinafter "Respondent") hereby swears or affirms as follows:

1. Respondent understands that E-Verify, authorized by Illegal Immigration Reform and Immigrant Responsibility Act of 1996 (IIRIRA), is a web-based system provided by the United States Department of Homeland Security, through which employers electronically confirm the employment eligibility of their employees.
2. For the duration of RFQ No. 1581 (hereinafter "Agreement"), in accordance with section 448.095, F.S., Respondent shall utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the Respondent and shall expressly require any subcontractors performing work or providing services pursuant to the Agreement to likewise utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the subcontractor.
3. Respondent shall comply with all applicable provisions of section 448.095, F.S., and will incorporate in all subcontracts the obligation to comply with section 448.095, F.S.
4. Respondent understands and agrees that its failure to comply with all applicable provisions of section 448.095, F.S. or its failure to ensure that all employees and subcontractors performing work under the Agreement are legally authorized to work in the United States and the State of Florida constitute a breach of the Agreement for which St. Johns County may immediately terminate the Agreement without notice and without penalty. The Respondent further understands and agrees that in the event of such termination, Respondent shall be liable to the St. Johns County for any costs incurred by the St. Johns County resulting from Respondent's breach.

DATED this 25th day of March, 2024.

Mark Gosselin

Signature of Affiant

Mark Gosselin, Manager
Printed Name & Title of Affiant

INTERA-GEC, LLC
Full Legal Name of Respondent

Sworn to (or affirmed) and subscribed before me by means of physical presence or online notarization, this 25th day of March, 2024, by Affiant, who is personally known to me or has produced _____ as identification.



Vikki Padgett
Notary Public
My Commission Expires: 7/29/2027

ATTACHMENT "H"
LIST OF PROPOSED SUB-CONTRACTORS

Respondent shall submit any and all sub-contractors proposed to perform any portion of the Services for review/approval by the County. Respondent shall attach any and all applicable licenses or certifications held by the proposed sub-contractor related to the portion of the Services for which they are proposed, as stated below. All subcontractors/suppliers are subject to the approval of the County.

Company Name	Services to be Performed	Primary Contact Name	Contact Number and Email Address	Percentage (%) of Total Services
Ardurra Group, Inc.	FEMA coordination, QA/QC, Construction Observation	Rajesh Srinivas	904-2339612 rvsrini@gmail.com	20
Arc Surveying & Mapping, Inc.	Topographic and Hydrographic Surveying	Richard Sawyer	904-384-8377 rsawyer@arcsurveyors.com	7
Athena Technologies, Inc.	Vibracore Collection, Sampling, and Reporting	Neil Wicker	843-887-3800 neil_wicker@athenatechnologies.com	5
Chronicle Heritage	Archaeologist, Cultural Resources Analysis and Reporting	Stephen James	901-229-4200 sjames@chronicleheritage.com	3
CMAR Consulting, LLC	GIS Database and Web Services	Alexandra Carvalho	904-993-4806 alexandra@cmarconsulting.com	2
Coastal Eco-Group, Inc.	Environmental/Biological Assessments	Cheryl Miller	954-591-1219 cmiller@coastaleco-group.com	4
Coastal Conservation Group, LLC	Environmental Monitoring	Tara Dodson	904-814-2172 Tara@coastalconserva-tiongroup.com	3
Meskel & Associates Engineering, PLLC	Sediment QA/QC Testing, Construction Observation	Kelly Marshall	904-519-6990 kmarshall@meskelengineering.com	3
Sonographics, Inc.	Sub-bottom Seismic, Side-scan Sonar, and Magnetometer Surveys	Frederick Horgan	954-803-3192 rick@sonographics.com	3

RFQ NO. 1712R FEMA Category G - South Ponte Vedra Beach Dune Restoration Project Development, Design, Permitting, and Construction Administration

ATTACHMENT I
SWORN STATEMENT UNDER SECTION 287.133(3)(A), FLORIDA STATUTES ON PUBLIC ENTITY CRIMES

I, Mark Gosselin ("Affiant"), being duly authorized by and on behalf of INTERA-GEC, LLC ("Respondent") hereby swears or affirms as follows:

1. The principal business address of Respondent is: 2114 NW 40th Terrace, Suite A1, Gainesville, FL 32605
2. I am duly authorized as Manager (Title) of Respondent.
3. I understand that a public entity crime as defined in Section 287.133 of the Florida Statutes includes a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity in Florida or with an agency or political subdivision of any other state or with the United States, including, but not limited to, any bid, proposal, reply, or contract for goods or services, any lease for real property, or any contract for the construction or repair of a public building or public work, involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, or material misrepresentation.
4. I understand that "convicted" or "conviction" is defined in Section 287.133 of the Florida Statutes to mean a finding of guilt or a conviction of a public entity crime, with or without an adjudication of guilt, in any federal or state trial court of record relating to charges brought by indictment or information after July 1, 1989, as a result of a jury verdict, non-jury trial, or entry of a plea of guilt or nolo contendere.
5. I understand that "affiliate" is defined in Section 287.133 of the Florida Statutes to mean (1) a predecessor or successor of a person or a corporation convicted of a public entity crime, or (2) an entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime, or (3) those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate, or (4) a person or corporation who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months.
6. Neither the Respondent, nor any officer, director, executive, partner, shareholder, employee, member or agent who is active in the management of the Offeror or contractor, nor any affiliate of the Offeror or contractor has been convicted of a public entity crime subsequent to July 1, 1989. **(Draw a line through paragraph 6 if paragraph 7 below applies.)**
7. There has been a conviction of a public entity crime by the Respondent, or an officer, director, executive, partner, shareholder, employee, member or agent of the Respondent who is active in the management of the Respondent or an affiliate of the Respondent. A determination has been made pursuant to Section 287.133(3) by order of the Division of Administrative Hearings that it is not in the public interest for the name of the convicted person or affiliate to appear on the convicted vendor list. The name of the convicted person or affiliate is _____ . A copy of the order of the Division of Administrative Hearings is attached to this statement. **(Draw a line through paragraph 7 if paragraph 6 above applies.)**

Mark Gosselin
Signature of Affiant

Mark Gosselin, Manager
Printed Name & Title of Affiant

INTERA-GEC, LLC
Full Legal Name of Respondent

3/25/2024
Date of Signature

Sworn to (or affirmed) and subscribed before me by means of physical presence or online notarization, this 25th day of March, 2024, by Affiant, who is personally known to me or has produced _____ as identification.

Vikki Padgett
Notary Public

7/29/2027
My Commission Expires



RFQ NO. 1712R FEMA Category G - South Ponte Vedra Beach Dune Restoration Project Development, Design, Permitting, and Construction Administration

ATTACHMENT J
CERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY
AND VOLUNTARY EXCLUSION-PRIMARY COVERED TRANSACTIONS

The Respondent certifies that, the firm or any person associated therewith in the capacity of owner, partner, director, officer, principal, investigator, project director, manager, auditor, and/or position involving the administration of federal funds:

1. Respondent must have no Active Exclusions listed in www.SAM.gov.
2. are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions, as defined in 49 CFR s29.110(a), by any federal department or agency;
3. have not within a three-year period preceding this certification been convicted of or had a civil judgment rendered against it for: commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a federal, state, or local government transaction or public contract; violation of federal or state antitrust statutes; or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property
4. are not presently indicted for or otherwise criminally or civilly charged by a federal, state, or local governmental entity with commission of any of the offenses enumerated in paragraph (b) of this certification; and
5. have not within a three-year period preceding this certification had one or more federal, state, or local government public transactions terminated for cause or default.

The Respondent certifies that it shall perform a debarment verification on any subcontractor, sub-consultant, material supplier or vendor, that it proposes to contract with to perform any work under this RFQ, and shall not enter into any transaction with any sub-Contractor, material supplier, or vendor who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this project by any federal agency unless authorized by St. Johns County.

Signature of Authorized Principal(s):

NAME (print): Mark Gosselin

SIGNATURE: 

TITLE: Manager

FULL LEGAL NAME OF RESPONDENT: INTERA-GEC, LLC

DATE: 3/25/2024

RFQ NO. 1712R FEMA Category G - South Ponte Vedra Beach Dune Restoration Project Development, Design, Permitting, and Construction Administration

ATTACHMENT K
BYRD ANTI-LOBBYING COMPLIANCE AND CERTIFICATION REGARDING LOBBYING

Certification for Contracts, Grants, Loans, and Cooperative Agreements (To be submitted with each bid or offer exceeding \$100,000). The undersigned [Contractor] certifies, to the best of his or her knowledge, that:

1. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
2. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or Current as of 9-26-16 11 cooperative agreement, the undersigned shall complete and submit Standard Form LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.
3. The undersigned shall require that the language of this certification be included in the award documents for all sub-awards at all tiers (including subcontracts, sub-grants, and contracts under grants, loans, and cooperative agreements) and that all sub-recipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31, U.S.C. § 1352 (as amended by the Lobbying Disclosure Act of 1995). Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

The Contractor, INTERA-GEC, LLC, certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the Consultant understands and agrees that the provisions of 31 U.S.C. § 3801 et seq., apply to this certification and disclosure, if any.

Signature of Authorized Principal(s):

NAME (print): Mark Gosselin

SIGNATURE: 

TITLE: Manager

FULL LEGAL NAME OF RESPONDENT: INTERA-GEC, LLC

DATE: 3/25/2024

RFQ NO. 1712R FEMA Category G - South Ponte Vedra Beach Dune Restoration Project Development, Design, Permitting, and Construction Administration

ATTACHMENT L
NON-COLLUSION CERTIFICATION

St. Johns County requires, as a matter of policy, that any Respondent receiving a contract or award resulting from this Request for Qualification issued by St. Johns County shall make certification as below. Receipt of such certification, under oath, shall be a prerequisite to the award of contract and payment thereof.

I (we) hereby certify that if the contract is awarded to me, our firm, partnership or corporation, that no members of the elected governing body of St. Johns County nor any professional management, administrative official or employee of the County, nor members of his or her immediate family including spouse, parents or children, nor any person representing or purporting to represent any member or members of the elected governing body or other official, has solicited, has received or has been promised, directly or indirectly, any financial benefit including but not limited to a fee, commission, finder's fee, political contribution, goods or services in return for favorable review of any Qualifications submitted in response to this Request for Qualification or in return for execution of a contract for performance or provision of services for which Qualification are herein sought.

DATED this 25th day of March, 2024.

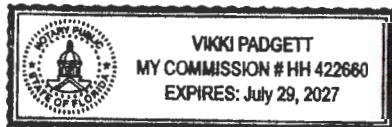
Mark Gosselin

Signature of Affiant

Mark Gosselin
Printed Name & Title of Affiant

INTERA-GEC, LLC
Full Legal Name of Respondent

Sworn to (or affirmed) and subscribed before me by means of physical presence or online notarization, this 25th day of March, 2024, by Affiant, who is personally known to me or has produced _____ as identification.



Vikki Padgett
Notary Public
My Commission Expires: 7/29/2027

**RFQ NO. 1712R FEMA Category G - South Ponte Vedra Beach Dune Restoration Project Development, Design,
Permitting, and Construction Administration**

**ATTACHMENT M
EQUAL OPPORTUNITY REPORT STATEMENT**

The Respondent shall complete the following statement by signing this form where indicated. Failure to complete this form may be grounds for rejection of bid:

The awarded Consultant shall comply with Title VI of the Civil Rights Act of 1964, the Civil Rights Restoration Act of 1987 and the Florida Civil Rights Act of 1992, as amended) prohibiting employment discrimination and shall comply with the regulations and guidelines promulgated pursuant to this Act by the Secretary of the Interior and the Heritage Conservation and Recreation Service.

During the performance of this contract, the awarded Consultant, for itself, its assignees and successors in interest ("Consultant") agrees as follows:

- (1) The Consultant will not discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin. The Consultant will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, or national origin. Such action shall include, but not be limited to the following: Employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The Consultant agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.
- (2) The Consultant will, in all solicitations or advertisements for employees placed by or on behalf of the Consultant, state that all qualified applicants will receive considerations for employment without regard to race, color, religion, sex, or national origin.
- (3) The Consultant will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice to be provided advising the said labor union or workers' representatives of the Consultant's commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.
- (4) The Consultant will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.
- (5) The Consultant will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records, and accounts by the administering agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.
- (6) In the event of the Consultant's noncompliance with the nondiscrimination clauses of this contract or with any of the said rules, regulations, or orders, this contract may be canceled, terminated, or suspended in whole or in part and the Consultant may be declared ineligible for further Government contracts or federally assisted construction contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions as may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.
- (7) The Consultant will include the portion of the sentence immediately preceding paragraph (1) and the provisions of paragraphs (1) through (7) in every subcontract or purchase order unless exempted by rules, regulations, or orders of

the Secretary of Labor issued pursuant to section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each sub-Consultant or vendor. The Consultant will take such action with respect to any subcontract or purchase order as the administering agency may direct as a means of enforcing such provisions, including sanctions for noncompliance: Provided, however, That in the event a Consultant becomes involved in, or is threatened with, litigation with a sub-Consultant or vendor as a result of such direction by the administering agency the Consultant may request the United States to enter into such litigation to protect the interests of the United States.

DATED this 25th day of March, 2024.

Mark Gosselin

Signature of Affiant

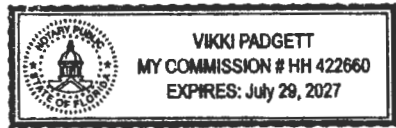
Mark Gosselin, Manager

Printed Name & Title of Affiant

INTERA-GEC, LLC

Full Legal Name of Respondent

Sworn to (or affirmed) and subscribed before me by means of physical presence or online notarization, this 25th day of March, 2024, by Affiant, who is personally known to me or has produced _____ as identification.



Vikki Padgett

Notary Public

My Commission Expires: 7/29/27



June 24, 2024

Stephen Hammond
Coastal Environment Project Manager
Disaster Recovery
3171 Coastal Hwy
St. Augustine, FL 32084

**RE: FEMA Category G – South Ponte Vedra Beach Dune Restoration Project Development,
Design, Permitting, and Construction Administration - RFQ 1712R**

Mr. Hammond,

Please find the requested proposal below to provide engineering and consulting services for the development, design, permitting, and construction administration of the South Ponte Vedra Beach Dune Restoration Project.

Scope of Services

The shoreline between FDEP Range Monuments (R-Mons) R76 and R103.5 – South Ponte Vedra Beach – was previously nourished in 2022; however, a series of storms has caused severe erosion, putting vital habitat and upland infrastructure at risk. St. Johns County is seeking to restore South Ponte Vedra Beach using FEMA Cat G funding and State funding. The scope and fee below is for the design, permitting, and construction administration services necessary to renourish this stretch of beach.

The scope of work is presented in three phases for permitting and design, construction, and outyear monitoring, respectively.

Phase 1: Project planning, permitting, and design

Task 1.1 Organization, strategy, and design enhancements

This task will provide a point of transition for the First Line team to collect and organize existing information for the project and gain a deeper understanding of the County's project priorities and desired direction. Initial discussions will be held during an on-site kickoff meeting. During this task the team will present strategic options for different project design objectives and come to a consensus on these strategies.

- a. Borrow source strategy – the project team will provide an analysis of three different borrow source strategies – N3, N1, and a new borrow source. Each of these options will be evaluated for level of effort to implement into the project – including rough order of magnitude cost and schedule – and the pros and cons of each strategy will be presented based on the County's key objectives. This analysis will include preliminary discussions with BOEM to determine feasibility along with evaluation on the driving parameter affecting

site viability. A recommendation memo will be developed and presented to the County, with the intent to receive direction on borrow area selection for the project.

- b. Project enhancements – First Line will evaluate the existing project design and identify opportunities for additional project enhancements and optimization. Some options that have already been discussed include expansion of the existing pipeline corridors, increasing parameters of the turbidity mixing zone, an amended dune planting plan, and alterations to the current beach design to enhance performance. Each of these options will be assessed for feasibility and cost/schedule implications. The assessment will require a desktop review for each option identified to determine the viability for immediate implementation or additional work needed. Beach profile optimization represents approximately one-third of the task effort and will exercise data collected via the SJC Beachfront Data Collection Facility (BDCF). A memo will be generated, and results will be discussed with County staff to present options and come to a consensus on a path forward.
- c. Data gap analysis – existing data provided by the County and pulled from other sources will be stored and organized on a project SharePoint site. Based on the outcomes determined in Tasks 1.1.a and 1.1.b, an analysis will be performed to understand what additional data, if any, will be necessary to move forward with the agreed upon strategies.

Deliverables – a memo summarizing analysis of the borrow sources and providing recommendations, a memo describing design optimization options for the project and recommendations on how to proceed.

Task 1.2 Initial agency consultation

This task is for the initiation of agency and stakeholder involvement in the design and permitting portion of the project.

- a. Initial consultations – during the planning and preparation process, discussions with various agencies and stakeholders outside of the formal pre-application meetings are anticipated. This subtask is intended to capture such discussions.
- b. Pre-application meetings – after project strategies identified in Task 1.1 have been agreed upon, the First Line team will schedule and lead virtual pre-application meetings with the relevant regulatory agencies. Expected agency and stakeholder involvement includes FDEP, USACE, BOEM, and the GTM-NERR. The purpose of the meeting(s) will be to inform agencies of the proposed project modifications, solicit feedback on permitability, and identify any additional requirements for data collection necessary to implement the proposed permit modifications and move forward with a borrow area lease. An agenda and meeting materials with graphics will be drafted to clearly illustrate the elements of the request for modification. These meeting materials will be sent to SJC for review and a follow

up meeting will be scheduled to discuss any feedback. Meeting notes will be prepared and distributed for review following the meeting.

- c. Establish final permitting plan – after meeting with agencies and stakeholders, First Line will consolidate recommendations and requirements discussed during the pre-application meetings to form a plan of action to move forward with a design and permit modifications. A memo will be generated describing the agreed upon path forward, highlighting any alterations to the assumptions made in this scope of work.

Deliverables – meeting notes from pre-application meetings, a project memo establishing the intended modifications to be made and describing any additional data necessary to move forward with modifications.

Task 1.3 Public outreach – as-needed

- a. Easement campaign – this task has been provided to be used on an as-needed basis at the direction of the County. The cost provided in the table below is budgetary in nature for an assumed level of effort to accomplish the following. The team will provide limited content for public meeting presentations held by the County. Two qualified team members will plan to attend up to two public meetings to answer relevant questions and provide support for the County. The budget includes the development of property-specific drawings for 20 properties to provide a visual aid in demonstrating fill template details and tie ins to encourage public participation in the project. Property owner research will be conducted for 20 holdout properties with certified mailings sent to property owners. Project information and easements will be included in the mailings. One team member will attend ten (10) one-day site visits to specific holdout properties to answer questions with property owners about the details of the project and construction efforts. Task 1.3 will be billed on a Time & Materials (T&M) basis for work assigned by the County.

Deliverables – deliverables for this task will be defined during contract execution as-needed.

Deliverable may include graphics or other content to be used in public meetings, property-specific drawings for holdouts, or development of informational flyers to be mailed to property owners.

Task 1.4 Data collection

- a. Beach profile surveys – Topographic and hydrographic surveys will be performed along the beach profiles spaced approximately 500 feet apart at existing FDEP R-Mons and established interim profile lines. Data will be collected in a manner suitable for submission to FDEP with profiles extending 3,000 feet offshore. To the extent possible, the beach profile survey will be performed during construction document preparation in order to fulfill the pre-construction physical monitoring requirements described in FDEP Joint Coastal Permit No. 0340616-003-JC.
- b. Borrow area survey – A multibeam bathymetric survey of borrow area N1 with 100 percent coverage and survey lines extending at least 500 feet beyond the edge of the dredge area will be conducted. Data collected during this survey will be utilized for construction bid documents. Depending on the timing of collection of this survey data as it relates to

anticipated start of construction, this survey may be determined to be unnecessary and eliminated from the scope, allowing the borrow area survey described under Task 2.3 to serve both purposes.

- c. Sidescan survey (as-needed) – depending on results of discussions had during Task 1.2, a sidescan survey of the nearshore area may be necessary to expand the pipeline corridor. We have budgeted \$30,000 to plan, execute, and process data associated with this effort. This subtask is provided as a budgetary number and will only be utilized if required by permitting agencies and approved by the County.

Deliverables – Survey data in XYZ format, side scan data in XTF format

Task 1.5 Borrow area development

This task is provided to solidify borrow area design based on discussions had under previous tasks. It is predicated on the assumption that an existing, previously designed borrow area will be selected and utilized for the project, requiring a cursory review of the previous design to ensure that it meets BOEM, FDEP, and other regulatory requirements and addresses dredgeability standards. If a new, undesigned borrow area is selected for the project, or if an expanded borrow area is created based on new geophysical, geological, and environmental data collection, additional work at additional cost will be required to design the new and/or previously undesigned sections of the borrow area(s).

- a. Incorporate new and existing data – existing design elements and data will be adopted and updated with new data as necessary.
- b. Validate material depositions – the project team will coordinate with their marine geologists to optimize the borrow area design as needed. Design cuts will be confirmed based on a variety of factors including deposit geometry, sediment quality, dredgeability, volume requirements, potential nearshore impacts, and relative cost of dredging the material. A compatibility analysis will be performed using existing data to ensure compliance with native beach material.
- c. Design, layouts, templates – borrow area design layouts will be generated. Drawings will include horizontal and vertical limits of the proposed dredge area, dredge volume available according to the most recent survey, and section views.

Deliverables – final borrow area design drawings ready for implementation into permit drawings.

Task 1.5.1 New borrow area development [incremental cost] (as-needed)

This task is provided as an incremental budgetary number to cover additional costs that may be necessary for the development of a new, previously undesigned borrow area. The work in this task is to supplement work and costs in Task 1.5 should the County choose to pursue a new or extended borrow area during Task 1.1. The following lays out a conceptual sand search plan that will require further refinement based on the results of Task 1.1.

- a. Desktop study – a desktop study of the existing geophysical and geological data with the area of investigation will be conducted using any known and available data sources. Once a survey area has been identified, a geophysical survey plan will be drafted for review.
- b. Investigation permits – if the selected sand source is in federal OCS waters, the necessary investigation permits, including BOEM Geophysical and Geological permits, will be applied for.
- c. Data collection - a combined reconnaissance- and design-level geophysical survey will be performed within the identified survey area. During survey operations, data will be actively reviewed, analyzed, and interpreted by a geoscientist as it is collected. If a significant potential sand source is identified during the reconnaissance phase, design-level and cultural resource level tracklines will be immediately created in the field to further delineate the potential sand source at a 30-meter line spacing. Upon completion, data will be process and interpreted. Vibracore locations will be identified at a sufficient spacing for borrow area design. Once approved for collection by BOEM (if required), vibracores will be collected within the proposed borrow area. Once complete, the samples will be processed and interpreted and a borrow area will be designed if the right material is identified during the course of the survey.
- d. Borrow area design - the borrow area will be delineated based on the newly collected geophysical and geotechnical data (augmented by historical data, if available). Data will be reviewed and a compatibility analysis will be conducted to match the borrow area and the existing beach for optimum project performance. Based on the compatibility assessment, as well as the geophysical and geotechnical data, a new borrow area will be designed. This borrow area will be delineated based on the correlation of the existing chirp sub-bottom and geotechnical information (vibracore logs) to produce an isopach (sediment thickness) map of the beach compatible sand resources in the investigation area. The isopach data will then be combined with the processed bathymetric elevation data to determine the elevation of the beach compatible material. The borrow area will then be refined to include buffers to avoid any anomalies, hazards and protected environmental or cultural resources. Dredge optimization will also be considered.
- e. Design, layouts, templates – borrow area design layouts will be generated. Drawings will include horizontal and vertical limits of the proposed dredge area, dredge volume available according to the most recent survey, and section views.

Deliverables – final borrow area design drawings ready for implementation into permit drawings.

Task 1.6 Agency coordination, lease, and permit application development

The effort described in this task is to coordinate with regulatory authorities to seek modifications to the state JCP permit, the federal Individual Permit, and the federal Borrow Area Lease for the SPV Beach Dune Restoration Project. The goal of these modifications is to authorize changes determined through the design process. Modifications to the design anticipated include revisions

to the borrow area(s), adjustment to the pipeline corridors and turbidity mixing zone, and potential variation in the beach template.

- a. Update permit drawings – design drawings will be updated with modifications agreed upon in Task 1.2 and relevant data collected during Task 1.4. Drawings will be developed in a format suitable for submission to different agencies.
- b. Develop BOEM lease agreement – a letter package to BOEM will be prepared requesting a new lease for federal OCS sand resources. Additionally, an updated Environmental Assessment (EA) document – based on previous, nearby NEPA OCS sand resource documentation – will be prepared and submitted. This will include recent environmental information and other data required by BOEM. The project team will coordinate with BOEM and resource agencies (NMFS) as-needed to ensure EA acceptance and lease issuance.
- c. Permit acquisition (USACE and FDEP) – First Line staff will assemble the information and prepare the documentation required for the permit modification application packages. An updated Sediment QA/QC Plan will be developed and submitted with the permit modification application package. Draft application packages will be submitted to SJC for review. Comments and suggestions provided by the County will be incorporated and, if necessary, a meeting will be held to discuss feedback. Once approved, the application packages will be submitted to the agencies. Note, this task does not include submittal of permit fees. Additionally, this task includes completion of the PDC checklist and Pre-Construction Risk Assessment required under the 2020 SARBO. First Line will draft and respond to one RAI from each the FDEP and the USACE. The RAI response will be prepared and reviewed with the County prior to submittal. Once approved by the County, the RAI response will be submitted to the agencies.
- d. Consultation with FWC – the project team will initiate discussions with FWC in order to obtain authorizations for marine turtle nest relocations and gopher tortoise relocations prior to the start of construction.

Deliverables – permit-level design drawings, a BOEM lease agreement for the use of federal OCS sand resources, permit modifications for existing FDEP and USACE permits, necessary authorizations for gopher tortoise and marine turtle nest relocations.

Task 1.7 Bid document preparation

- a. Draft final plans and specifications – during this subtask, updated permit conditions and data collected during previous tasks will be incorporated into the existing plan and specification set. Technical specifications will cover quality control, measurement and payment, dredging, beach placement, survey, MEC requirements, and environmental control. Documents will be drafted in a format suitable for incorporation into the County's procurement package. Final draft bid documents will be provided for review by County staff.

- b. Issued for Construction (IFC) plans and specifications – comments received from County staff during the draft review will be incorporated into a conformed construction set for project solicitation and construction.
- c. Opinion of probable construction costs (OPCC) – an OPCC will be generated utilizing the final construction plans and specs. The OPCC will be broken down based on the agreed upon bid schedule and provided for discussion with the County team.

Deliverables – project plans and specifications - signed and sealed by an engineer registered in the State of Florida - in a format suitable for incorporation into the County's procurement package, opinion of probable construction cost

Task 1.8 Bid support

This task is to provide assistance to the County prior to and during the contractor solicitation process.

- a. Pre-solicitation outreach – the First Line team will coordinate with the County's procurement department to schedule and lead a pre-solicitation meeting. The purpose of this meeting will be to provide advance notice and basic details to potential bidders about the upcoming project and solicit input for possible improved value. This pre-solicitation meeting would ideally occur during development of final plans and specifications.
- b. Pre-bid meeting – once solicitation of the project has been advertised, First Line will prepare for and attend a pre-bid site visit meeting. The site visit will serve to discuss project details with potential bidders and answer any technical questions that may arise.
- c. Amendments and Q&A – the First Line team will provide answers to technical questions submitted during the formal Q&A process. Additionally, updates to project drawings and technical specifications will be provided as necessary for up to two addendums.

Deliverables – notes from pre-solicitation meeting and pre-bid meeting as well as updated project drawings and/or specs as required for addendums. At the conclusion of the solicitation process, a final, conformed set of plans and specifications incorporating any changes occurring during solicitation will be generated for construction. A final evaluation of bids will be conducted and a recommendation for award will be issued.

Task 1.9 Project management

- a. Monthly progress meetings – progress meetings with the County will be scheduled and led by the First Line team to formally update County staff on progress of the project. Progress meetings may be held more frequently if necessary during particular segments of project execution. These meetings will be to supplement more frequent, informal updates to the County.

- b. As-needed project-specific meetings
- c. Quarterly grant materials – project summaries required under state (FDEP) and federal (FEMA) grants will be prepared and submitted to the County for review each quarter. After County review, summary reports will be submitted to the respective agencies.

Cost and schedule

The work proposed in Phase 1 of the above scope will be performed and invoiced as described in the table below. Any as-needed items will only be exercised with written approval from the County.

Task	Description	Unit	Qty	Unit Cost	Total
1.1	Organization, optimization, and design enhancements	LS	1	\$ 94,049.03	\$ 94,049.03
1.2	Initial agency consultation	LS	1	\$ 21,964.00	\$ 21,964.00
1.3	Public outreach (as-needed)	LS	1	\$ 62,163.01	\$ 62,163.01
1.4	Data collection	LS	1	\$ 112,746.54	\$ 112,746.54
1.5	Borrow area development	LS	1	\$ 37,805.79	\$ 37,805.79
1.5.1	New borrow area development [incremental cost] (as-needed)	LS	1	\$ 635,000.00	\$ 635,000.00
1.6	Agency coordination, lease, and permit app development	LS	1	\$ 116,530.19	\$ 116,530.19
1.7	Bid document preparation	LS	1	\$ 51,636.38	\$ 51,636.38
1.8	Bid support	LS	1	\$ 14,662.57	\$ 14,662.57
1.9	Project management	LS	1	\$ 63,219.20	\$ 63,219.20
Phase 1 Total					\$ 1,209,776.71

Phase 2: Construction

Phase 2 is provided separately to pick up where Phase 1 left off, starting with public communication, through construction of the designed and permitted project and ending with final reporting and closeout.

Task 2.1 Public communication

- a. Pre-construction notice mailings – deed research will be conducted for each property along the project fill area. A list of property owners, addresses, and mailing addresses will be generated to aid in the distribution of pre-construction mailers intended to notify property owners of the upcoming construction project. Flyers or postcards relaying details of the project and where to obtain additional information will be developed and sent to the County for review. Once approved, notices will be mailed to each owner’s identified local and permanent mailing address.
- b. Public geodatabase – a web map application will be developed utilizing the existing framework from the previous SPVB project database. The web map tool will provide the public project construction information. Specifically, the web map will include easement holdout locations, construction template information, public beach access closure schedules, equipment location, areas under construction, and anticipated tie-in types. The map will be updated regularly during construction.
- c. Property boundary surveys – property easement research and boundary surveys will be conducted for each property not participating in the beach fill project. Property lines will be located and marked prior to equipment mobilization in the holdout area. The cost for this item assumes boundary surveys will be necessary for up to five properties under a single mobilization.
- d. Public meetings – two team members will attend a public meeting prior to construction to provide support to the County and be available to answer relevant questions from the public.

Deliverables – informational flyer with project details, link to project geodatabase for inclusion on County website.

Task 2.2 Preconstruction surveys and initiation

- a. Agency coordination and notifications – submission of documentation and notifications to regulatory agencies as required under the project authorizations prior to the start of construction.
- b. Pre-construction meeting – First Line will schedule and lead an in-person pre-construction meeting prior to contractor mobilization. During the meeting, details of the contractor’s work plan and project-specific topics will be discussed. Regulatory agencies will be invited to attend a portion of the meeting during relevant discussions in accordance with state and federal authorizations.

- c. Submittal review and tracking – the team will review and track the status of contract- and permit- required submittals. Submittal status will be kept in a submittal register available to the project team. The team will ensure appropriate submittals have been transmitted and approved prior to the start of relevant work.

- a. Pre-construction survey – a multibeam survey will be conducted of borrow area N1 within 60 days of the start of dredging. The survey will be conducted in a fashion that is compliant with the requirements described in the existing BOEM lease, and a borrow area survey report will be submitted no less than seven days prior to the start of dredging operations. A pre-construction survey along the FDEP reference monuments and at established interim profile lines will be conducted within 90 days prior to fill on that stretch of beach in order to fulfill requirements described in the FDEP permit and physical monitoring plan. If timing allows, as it pertains to the time of data collected under Task 1.5, the beach profile survey described under this task may be deemed unnecessary and removed from the scope. Data for the R-mon survey will be transmitted to FDEP in the appropriate format. Visual documentation of the structures along the west side of the fill template will be collected utilizing a 360-degree camera. This survey will serve to supplement pre-construction structural surveys that will be required by the contractor under the project contract.

Deliverables – pre-construction meeting notes, a completed submittal register, survey data in XYZ format and BA survey report for the project record, digital footage of the pre-construction structure photos/video.

Task 2.3 Construction management & survey

This task includes daily on-site monitoring, survey, and active fill template management during construction. The cost is provided on a weekly basis with an assumption that construction will last 10 weeks.

- a. Construction oversight and reporting – daily, for the duration of construction, an engineer’s representative will be on site to monitor contractor’s progress and ensure the intent of the design and permits is being met. Site visit reports will be generated and submitted to the County. The web-based project progress map will be updated daily during construction. At least one representative will attend and participate in weekly progress meetings hosted by the contractor during construction operations. Additionally, the engineer or engineer’s representative will review and approve payment applications submitted by the contractor.

- b. Daily beach survey and template management – daily surveys of the project site will be performed as weather allows. Survey efforts will begin with a BD survey of the project site and continue daily to capture contractor pay and progress surveys on the beach. A three- to four-person team capable of conducting topographic and hydrographic surveys will be on-site for the duration of the project. As data is collected and received, volumes will be calculated, and cross sections will be assessed for fill completion and payment volumes. During construction, the project team has set aside time to make regular adjustments to

the fill template to accommodate the County's budget. Additionally, the survey crew will stake out property boundaries for easement holdouts as needed during fill operations.

Deliverables – daily reports describing project progress, contractor payment application approval, running fill volume table for the project area.

Task 2.4 Environmental survey and monitoring

Task 2.4 is provided to cover costs for environmental monitoring and efforts prior to, during, and after construction operations. It is assumed that construction will take place during marine turtle nesting season and shorebird breeding season. The provided scope is intended to complete the relevant environmental monitoring tasks required for the calendar year in which construction occurs (year zero). Specific assumptions about each monitoring phase are described in the subtasks below.

- a. Pre-construction – prior to construction activities on the project beach, marine turtle nest surveys will be conducted starting May 1, continuing through the start of contractor activities on the nesting beach. Daily early morning surveys will be conducted between R-76 and R-103.5, and nests will be relocated to an FWC-approved location. We have assumed that pre-construction nesting surveys and relocations will be performed for nine (9) weeks to ensure construction will not be delayed as a result of marine turtle nests, with three nests relocated per week. Weekly escarpment surveys will also be performed in accordance with FDEP permit requirements. Additionally, prior to any activities on the project beach, a gopher tortoise survey will be conducted to identify tortoise burrows which may impact the project area. Included in this task, we have assumed that a total of 10 gopher tortoises will need to be relocated – 5 offsite and 5 onsite – prior to arrival of equipment.
- b. During construction monitoring – marine turtle nest surveys and shorebird breeding surveys will be conducted daily throughout habitat-disturbing construction activities. Daily early morning surveys will be conducted between R-76 and R-103.5, and marine turtle nests will be relocated to an FWC-approved location in areas of the beach that have not been completed. We have assumed that during-construction shorebird and turtle nesting surveys and relocations will be performed for ten (10) weeks, with three nests relocated per week. Weekly escarpment surveys will also be performed.
- c. Post-construction monitoring – after construction activities on the beach are completed, marine turtle nest surveys will continue daily through completion of marine turtle nesting season or two weeks after the last crawl – whichever is earlier. Shorebird surveys will be completed weekly through the end of the breeding season. Weekly escarpment surveys will also be performed and documentation submitted as required. We have assumed that post-construction environmental monitoring will be required for seven (7) weeks.

- d. Seasonal monitoring – this subtask is provided to cover additional monitoring that may be required that is not covered by the previous tasks. Two coastal lighting surveys will be conducted during marine turtle nesting season. Lighting survey reports for each of the surveys will be prepared and submitted to the County for review. This subtask also includes the incremental cost to format environmental survey data collected in accordance with FWC and FDEP requirements into a format suitable for use with the County’s HCP. This data will be submitted to the appropriate County representative weekly during monitoring efforts. Additionally, a monitoring summary report required for environmental surveys – marine turtles, shorebirds, escarpments, and lighting – will be prepared and submitted under separate cover to FDEP and FWC.

Deliverables – a map relaying the results of the pre-construction gopher tortoise survey, daily reports describing marine turtle nest and shorebird monitoring surveys and observations or relocations made during the surveys, weekly escarpment survey reports, weekly submission of HCP-required data to the appropriate County personnel, lighting survey reports, and an environmental summary report submitted to County staff and relevant agencies.

Task 2.5 Contractor and agency closeout

- a. As-built drawings – drawings incorporating the most recent data collected at the beach and borrow site will be developed. As-built drawings will include variations to the pre-construction submitted project design and will be prepared in a format suitable for submission to regulatory agencies.
- b. Post-construction surveys – a multibeam survey will be conducted of borrow area N1 within 60 days of project completion. The survey will be conducted in a fashion that is compliant with the requirements described in the existing BOEM lease and FDEP physical monitoring plan. Following completion of the post-construction borrow area survey, a survey report will be prepared and submitted to BOEM. A post-construction survey along the FDEP reference monuments will be conducted within 60 days following project completion in order to fulfill requirements described in the FDEP permit and physical monitoring plan. Data for both the post-construction borrow area and R-mon surveys will be transmitted to FDEP. Visual documentation of the structures along the west side of the fill template will be collected utilizing a 360-degree camera. This survey will serve to supplement post-construction structural surveys that will be required by the contractor under the project contract. FDEP-required post-construction sediment testing will be conducted. Sediment sample collection and testing will be conducted in accordance with the approved sediment QA/QC plan. Test results and analysis report will be submitted to FDEP within 90 days following project completion.
- c. Project record – a file including relevant project documents – including but not limited to – design documents, final permits, construction submittals and reports, contractor payment applications, and a final project report – will be compiled and delivered electronically to the County.

- d. Post-construction agency notifications – preparation and submittal of a final project report to the relevant agencies – FDEP, USACE, and BOEM – as required by project authorizations.

Deliverables – Signed and sealed as-built drawings, post-construction borrow area report - including data, post-construction R-mon survey data, final project report suitable for submission to FDEP, USACE, and BOEM, digital footage of the post-construction structure photos/video, sediment testing results and analysis report, and an electronic project record encompassing relevant project documents and files for the County’s records.

Cost and schedule

The work proposed in Phase 2 of the above scope will be performed and invoiced as described in the table below. Any as-needed items will only be exercised with written approval from the County.

Task	Description	Unit	Qty	Unit Cost	Total
2.1	Public communication	LS	1	\$ 43,462.55	\$ 43,462.55
2.2	Preconstruction surveys & initiation	LS	1	\$ 82,098.37	\$ 82,098.37
2.3	Construction management & Survey	Week	10	\$ 62,216.62	\$ 622,166.20
2.4	Environmental survey and monitoring	LS	1	\$ 210,597.59	\$ 210,597.59
2.5	Contractor and agency closeout	LS	1	\$ 105,748.51	\$ 105,748.51
Phase 2 Total					\$ 1,064,073.22

Phase 3: Biological and physical monitoring

The effort described in this phase of work will serve to fulfill the requirements described in the Physical Monitoring Plan for South Ponte Vedra Beach Restoration and biological monitoring required under Joint Coastal Permit No. 0340616-003-JC. This phase is presented as an annual cost for outyears following the construction project and assumes that the requirements for monitoring remain unchanged after issuance of permit modifications. In accordance with the existing monitoring plans, we recommend planning for 3 years of physical and environmental monitoring for the proposed work.

Task 3.1 Physical monitoring

- a. Beach and offshore area – monitoring profile surveys will be conducted at each of the FDEP R-Mons with the bounds of the beach fill area and along the adjacent shoreline approximately 5,000 feet to the north and south (R-71 to R-109). Profile lines will start at the

structure or vegetation line and extend approximately 3,000 feet offshore. Data will be collected during a spring or summer month.

- b. Physical monitoring engineers report - an engineering report, as described in Special Condition 28.c., will be drafted for review by the County. Comments and suggestions will be incorporated, and a final report along with the collected data will be transmitted to FDEP.

Deliverables – survey data in XYZ format for the beach, physical monitoring engineering report

Task 3.2 Environmental monitoring

This task will serve to fulfill the requirements described in Special Condition 20 of the FDEP permit for full marine turtle nesting seasons following a sand placement event.

- a. Marine turtle nesting surveys – conducted daily during marine turtle nesting season – May 1 through October 31. Data will be collected in accordance with Table 1 in SC 20.b. of the FDEP permit and compared to the success criteria described.
- b. Escarpment surveys – conducted weekly during marine turtle nesting season for the project area. Data will be collected in accordance with Table 1 in SC 20.b. of the FDEP permit.
- c. Lighting surveys – conducted twice during marine turtle nesting season – between May 1 and May 15 as well as between July 15 and August 1. Data will be collected in accordance with Table 1 in SC 20.b. of the FDEP permit.
- d. Data compilation and report – a report summarizing the data collected during each nesting season will be compiled and submitted to FWC and FDEP by January 15th of the year following that nesting season.

Deliverables – summary report compiling required data during the nesting season suitable for submission to FWC and FDEP.

Cost and schedule

The work proposed in Phase 3 of the above scope will be performed and invoiced as described in the table below. Phase 3 items will only be exercised with written approval from the County.

Task	Description	Unit	Qty	Unit Cost	Total
3.1	Physical monitoring	YR	3	\$ 79,059.18	\$ 237,177.54
3.2	Environmental monitoring	YR	3	\$ 79,707.07	\$ 239,121.21
Phase 3 Total					\$ 476,298.75

The table below summarizes the cost proposed in each phase of work described above.

Phase	Description	Total
1	Project planning, permitting, and design	\$ 1,209,776.71
2	Construction	\$ 1,064,073.22
3	Biological and physical monitoring	\$ 476,298.75
Contract total		\$ 2,750,148.68

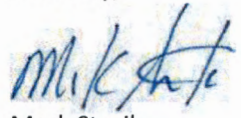
Exclusions and assumptions

The following is a list of specific exclusions that apply to this scope of work:

- The scope described beyond Task 1.1 assumes that the County will select a borrow source for the project that has been previously developed to a certain degree
- The County will select a borrow source that is not currently leased for direct use by the County but is in close proximity to similar, previously-leased OCS sand resources that will require a simple, updated NEPA EA based off the EA for the already leased sand resource described.
- The production-based cost estimating tool referenced in Task 1.7 will contain proprietary intellectual knowledge which cannot be shared publicly. First Line will provide summary sheets production-based OPCC work products only.
- The proposed scope and fee assumes that all required pre-existing data, line work, and calculations will be made available to First Line Coastal for incorporation. If certain information is not available, it can be reproduced by First Line as an additional work item.
- Phase 2 scope and fee is provided for planning and budgeting purposes. Adjustments may be required based on final design, construction sequencing, and contractor selection.
- Cost is provided for 10 weeks of construction management beginning from mobilization through demobilization. This is an initial estimate and will vary based on numerous factors.
- Turtle surveys are beach-nesting only. On-board dredge monitoring will be designated as a contractor activity.
- The scope and fee provided for Task 1.5.1 is for planning purposes only and will likely vary based on a number of factors. What has been provided is a conceptual sand search plan based on our understanding of the project and will require further development.
- Task 1.5.1 is provided as an incremental cost to be used in conjunction with Task 1.5 if the County chooses to pursue a new borrow area. The task will be used on an as-needed basis, and the County will only be charged for the funds expended. Should additional work be required in order to achieve the County's goal of locating and designing a suitable borrow site for the project that is above and beyond what has been budgeted for an adjustment to the contract will be required.

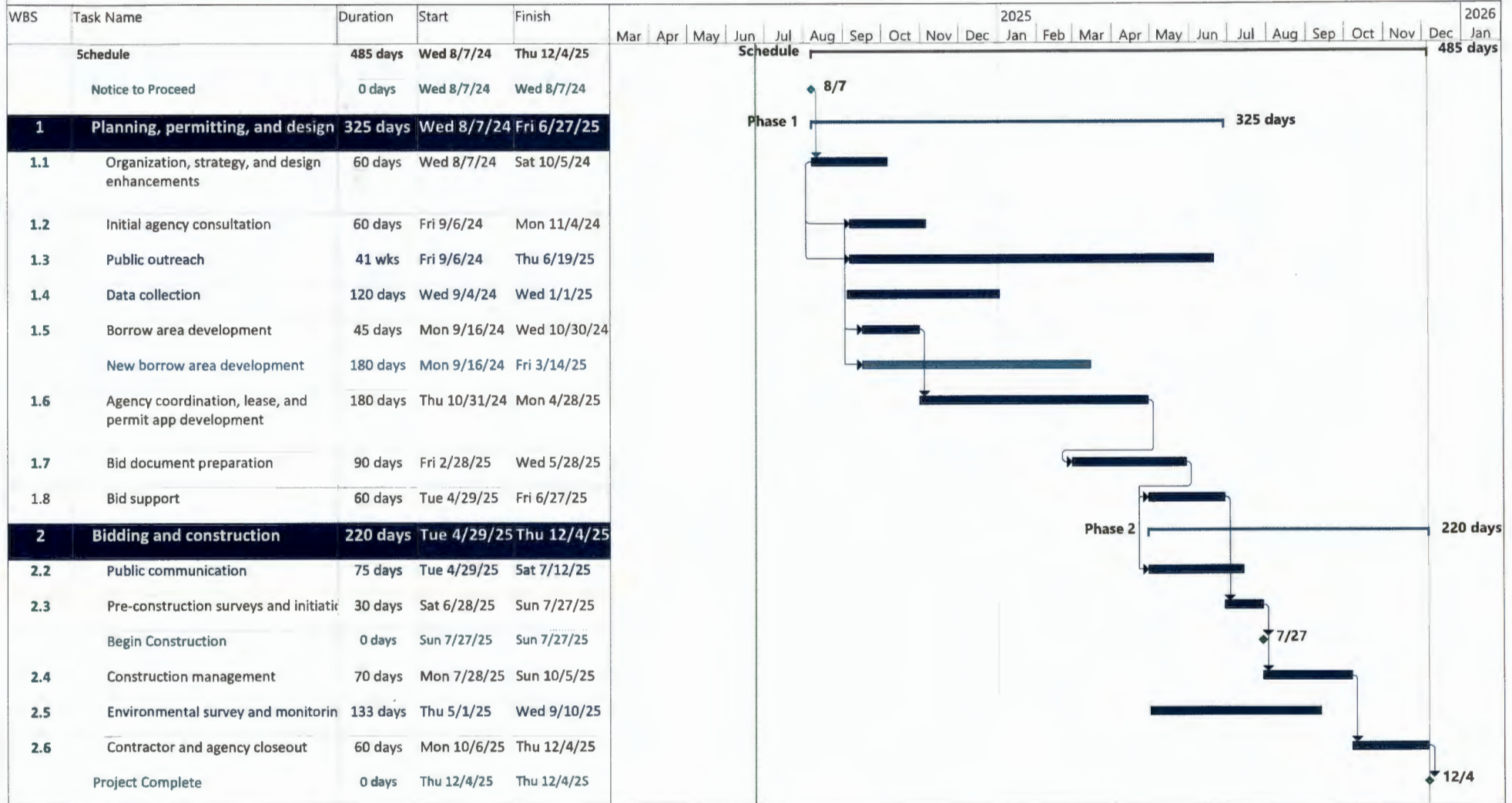
Should you have any questions or require any additional information, please do not hesitate to contact me at (941) 320-0241 or by email at: mstroik@FirstLineCoastal.com

Sincerely,

A handwritten signature in blue ink, appearing to read "Mark Stroik". The signature is stylized and cursive.

Mark Stroik
Project Manager, VP

Proposed Schedule





Cost Detail

for

FEMA Category G - South Ponte Vedra
Beach Dune Restoration

Phase 1: Project planning, permitting, and design

Task 1.1 Organization, optimization, and design enhancements

Labor Category	Rate	Quantity	Extension
Project Director	\$ 243.22	18	\$ 4,377.96
Project Manager	\$ 162.43	18	\$ 2,923.74
Task Manager	\$ 141.95	34	\$ 4,826.30
Admin Assistant	\$ 88.75	9	\$ 798.75
Sr. Engineer	\$ 228.61	44	\$ 10,058.84
Coastal Engineer III	\$ 171.46	48	\$ 8,230.08
Coastal Engineer II	\$ 131.04	34	\$ 4,455.36
Coastal Engineer I	\$ 116.01	48	\$ 5,568.48
Draftsman / Designer	\$ 113.97	28	\$ 3,191.16
Sr. Permitting Specialist	\$ 163.79	24	\$ 3,930.96
Labor Total			\$ 48,361.63

Subconsultant	Rate	Quantity	Extension
Aptim	\$ 1.00	27065	\$ 27,065.00
Surfbreak Engineering	\$ 1.00	18000	\$ 18,000.00
Subconsultant Total			\$ 45,065.00

Expenses	Rate	Quantity	Extension
Mileage	\$ 0.445	320	\$ 142.40
Lodging	\$ 150.00	2	\$ 300.00
Per Diem	\$ 40.00	2	\$ 80.00
Supplies	\$ 1.00	100	\$ 100.00
Expenses Total			\$ 622.40

Task 1.1 Organization, optimization, and design enhancements	Total \$	94,049.03
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Task 1.2 Initial agency consultation

Labor Category	Rate	Quantity	Extension
Project Director	\$ 243.22	2	\$ 486.44
Project Manager	\$ 162.43	3	\$ 487.29
Task Manager	\$ 141.95	4	\$ 567.80
Sr. Engineer	\$ 228.61	7	\$ 1,600.27
Coastal Engineer III	\$ 171.46	17	\$ 2,914.82
Coastal Engineer II	\$ 131.04	17	\$ 2,227.68
Draftsman / Designer	\$ 113.97	14	\$ 1,595.58



Cost Detail

for

FEMA Category G - South Ponte Vedra
Beach Dune Restoration

Sr. Permitting Specialist	\$ 163.79	28	\$ 4,586.12
Labor Total			\$ 14,466.00

Subconsultant	Rate	Quantity	Extension
Aptim	\$ 1.00	7498	\$ 7,498.00
Subconsultant Total			\$ 7,498.00

Task 1.2 Initial agency consultation	Total \$ 21,964.00
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Task 1.3 Public outreach (as-needed)

Labor Category	Rate	Quantity	Extension
Project Director	\$ 243.22	2	\$ 486.44
Project Manager	\$ 162.43	14	\$ 2,274.02
Task Manager	\$ 141.95	27	\$ 3,832.65
Admin Assistant	\$ 88.75	27	\$ 2,396.25
Sr. Engineer	\$ 228.61	7	\$ 1,600.27
Coastal Engineer III	\$ 171.46	130	\$ 22,289.80
Coastal Engineer II	\$ 131.04	30	\$ 3,931.20
Coastal Engineer I	\$ 116.01	16	\$ 1,856.16
Draftsman / Designer	\$ 113.97	92	\$ 10,485.24
Sr. Permitting Specialist	\$ 163.79	2	\$ 327.58
Labor Total			\$ 49,479.61

Subconsultant	Rate	Quantity	Extension
Aptim	\$ 1.00	9999	\$ 9,999.00
Subconsultant Total			\$ 9,999.00

Expenses	Rate	Quantity	Extension
Mileage	\$ 0.445	1920	\$ 854.40
Lodging	\$ 150.00	7	\$ 1,050.00
Per Diem	\$ 40.00	7	\$ 280.00
Supplies	\$ 1.00	500	\$ 500.00
Expenses Total			\$ 2,684.40

Task 1.3 Public outreach (as-needed)	Total \$ 62,163.01
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Task 1.4 Data collection



Cost Detail

for

FEMA Category G - South Ponte Vedra
Beach Dune Restoration

Labor Category	Rate	Quantity	Extension
Project Manager	\$ 162.43	4	\$ 649.72
Task Manager	\$ 141.95	16	\$ 2,271.20
Admin Assistant	\$ 88.75	6	\$ 532.50
Sr. Engineer	\$ 228.61	4	\$ 914.44
Coastal Engineer III	\$ 171.46	24	\$ 4,115.04
Coastal Engineer II	\$ 131.04	12	\$ 1,572.48
Draftsman / Designer	\$ 113.97	28	\$ 3,191.16
Labor Total			\$ 13,246.54

Subconsultant	Rate	Quantity	Extension
Oceanside Solutions	\$ 1.00	99500	\$ 99,500.00
Subconsultant Total			\$ 99,500.00

Task 1.4 Data collection	Total \$ 112,746.54
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Task 1.5 Borrow area development

Labor Category	Rate	Quantity	Extension
Project Director	\$ 243.22	2	\$ 486.44
Project Manager	\$ 162.43	8	\$ 1,299.44
Task Manager	\$ 141.95	10	\$ 1,419.50
Admin Assistant	\$ 88.75	6	\$ 532.50
Sr. Engineer	\$ 228.61	13	\$ 2,971.93
Coastal Engineer III	\$ 171.46	28	\$ 4,800.88
Coastal Engineer II	\$ 131.04	24	\$ 3,144.96
Draftsman / Designer	\$ 113.97	34	\$ 3,874.98
Sr. Permitting Specialist	\$ 163.79	4	\$ 655.16
Labor Total			\$ 19,185.79

Subconsultant	Rate	Quantity	Extension
Aptim	\$ 1.00	18620	\$ 18,620.00
Subconsultant Total			\$ 18,620.00

Task 1.5 Borrow area development	Total \$ 37,805.79
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Task 1.5.1 New borrow area development

Labor Category	Rate	Quantity	Extension
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Cost Detail

for

FEMA Category G - South Ponte Vedra
Beach Dune Restoration

Project Director	\$ 243.22	4	\$ 972.88
Project Manager	\$ 162.43	6	\$ 974.58
Task Manager	\$ 141.95	12	\$ 1,703.40
Admin Assistant	\$ 88.75	6	\$ 532.50
Sr. Engineer	\$ 228.61	32	\$ 7,315.52
Coastal Engineer III	\$ 171.46	36	\$ 6,172.56
Coastal Engineer II	\$ 131.04	24	\$ 3,144.96
Draftsman / Designer	\$ 113.97	40	\$ 4,558.80
Sr. Permitting Specialist	\$ 163.79	26	\$ 4,258.54
Labor Total			\$ 29,633.74

Subconsultant	Rate	Quantity	Extension
Aptim	\$ 1.00	600000	\$ 600,000.00
Subconsultant Total			\$ 600,000.00

Expenses	Rate	Quantity	Extension
Supplies	\$ 1.00	5366.26	\$ 5,366.26
Expenses Total			\$ 5,366.26

Task 1.5.1 New borrow area development	Total \$ 635,000.00
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Task 1.6 Agency coordination, lease, and permit app development

Labor Category	Rate	Quantity	Extension
Project Director	\$ 243.22	6	\$ 1,459.32
Project Manager	\$ 162.43	16	\$ 2,598.88
Task Manager	\$ 141.95	24	\$ 3,406.80
Admin Assistant	\$ 88.75	10	\$ 887.50
Sr. Engineer	\$ 228.61	38	\$ 8,687.18
Coastal Engineer III	\$ 171.46	48	\$ 8,230.08
Coastal Engineer II	\$ 131.04	30	\$ 3,931.20
Coastal Engineer I	\$ 116.01	40	\$ 4,640.40
Draftsman / Designer	\$ 113.97	66	\$ 7,522.02
Sr. Permitting Specialist	\$ 163.79	139	\$ 22,766.81
Labor Total			\$ 64,130.19

Subconsultant	Rate	Quantity	Extension
Aptim	\$ 1.00	47300	\$ 47,300.00
Coastal Conservation Group	\$ 1.00	4500	\$ 4,500.00
Subconsultant Total			\$ 51,800.00



Cost Detail

for

FEMA Category G - South Ponte Vedra
Beach Dune Restoration

Expenses	Rate	Quantity	Extension
Supplies	\$ 1.00	600	\$ 600.00
Expenses Total			\$ 600.00

Task 1.6 Agency coordination, lease, and permit app development	Total \$ 116,530.19
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Task 1.7 Bid document preparation

Labor Category	Rate	Quantity	Extension
Project Director	\$ 243.22	21	\$ 5,107.62
Project Manager	\$ 162.43	10	\$ 1,624.30
Task Manager	\$ 141.95	16	\$ 2,271.20
Admin Assistant	\$ 88.75	2	\$ 177.50
Sr. Engineer	\$ 228.61	32	\$ 7,315.52
Coastal Engineer III	\$ 171.46	72	\$ 12,345.12
Coastal Engineer II	\$ 131.04	32	\$ 4,193.28
Coastal Engineer I	\$ 116.01	34	\$ 3,944.34
Draftsman / Designer	\$ 113.97	36	\$ 4,102.92
Sr. Permitting Specialist	\$ 163.79	12	\$ 1,965.48
Labor Total			\$ 43,047.28

Subconsultant	Rate	Quantity	Extension
Aptim	\$ 1.00	7995.5	\$ 7,995.50
Subconsultant Total			\$ 7,995.50

Expenses	Rate	Quantity	Extension
Mileage	\$ 0.445	480	\$ 213.60
Per Diem	\$ 40.00	2	\$ 80.00
Supplies	\$ 1.00	300	\$ 300.00
Expenses Total			\$ 593.60

Task 1.7 Bid document preparation	Total \$ 51,636.38
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Task 1.8 Bid support

Labor Category	Rate	Quantity	Extension
Project Director	\$ 243.22	2	\$ 486.44
Project Manager	\$ 162.43	4	\$ 649.72
Task Manager	\$ 141.95	11	\$ 1,561.45



Cost Detail

for

FEMA Category G - South Ponte Vedra
Beach Dune Restoration

Sr. Engineer	\$ 228.61	9	\$ 2,057.49
Coastal Engineer III	\$ 171.46	34	\$ 5,829.64
Coastal Engineer II	\$ 131.04	7	\$ 917.28
Draftsman / Designer	\$ 113.97	14	\$ 1,595.58
Sr. Permitting Specialist	\$ 163.79	3	\$ 491.37
Labor Total			\$ 13,588.97

Expenses	Rate	Quantity	Extension
Mileage	\$ 0.445	480.00	\$ 213.60
Lodging	\$ 150.00	4.00	\$ 600.00
Per Diem	\$ 40.00	4.00	\$ 160.00
Supplies	\$ 1.00	100.00	\$ 100.00
Expenses Total			\$ 1,073.60

Task 1.8 Bid support	Total \$ 14,662.57
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Task 1.9 Project management

Labor Category	Rate	Quantity	Extension
Project Director	\$ 243.22	10	\$ 2,432.20
Project Manager	\$ 162.43	24	\$ 3,898.32
Task Manager	\$ 141.95	76	\$ 10,788.20
Admin Assistant	\$ 88.75	28	\$ 2,485.00
Sr. Engineer	\$ 228.61	17	\$ 3,886.37
Coastal Engineer III	\$ 171.46	40	\$ 6,858.40
Coastal Engineer II	\$ 131.04	20	\$ 2,620.80
Sr. Permitting Specialist	\$ 163.79	29	\$ 4,749.91
Labor Total			\$ 37,719.20

Subconsultant	Rate	Quantity	Extension
Aptim	\$ 1.00	23745	\$ 23,745.00
Subconsultant Total			\$ 23,745.00

Expenses	Rate	Quantity	Extension
Mileage	\$ 0.445	1000	\$ 445.00
Lodging	\$ 150.00	5	\$ 750.00
Per Diem	\$ 40.00	5	\$ 200.00
Supplies	\$ 1.00	360	\$ 360.00
Expenses Total			\$ 1,755.00



Cost Detail

for

FEMA Category G - South Ponte Vedra
Beach Dune Restoration

Task 1.9 Project management	Total \$ 63,219.20
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Phase 1: Project planning, permitting, and design	Total \$ 1,209,776.71
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Phase 2: Bidding and construction

Task 2.2 Public communication

Labor Category	Rate	Quantity	Extension
Project Director	\$ 243.22	0	\$ -
Project Manager	\$ 162.43	18.5	\$ 3,004.96
Task Manager	\$ 141.95	27.5	\$ 3,903.56
Admin Assistant	\$ 88.75	98.5	\$ 8,741.88
Draftsman / Designer	\$ 113.97	32	\$ 3,647.18
Construction Inspector	\$ 109.19	5	\$ 545.97
Labor Total			\$ 19,843.55

Subconsultant	Rate	Quantity	Extension
Oceanside Solutions	\$ 1.00	18500	\$ 18,500.00
CMAR Consulting	\$ 1.00	4300	\$ 4,300.00
Subconsultant Total			\$ 22,800.00

Expenses	Rate	Quantity	Extension
Supplies	\$ 1.00	819	\$ 819.00
Expenses Total			\$ 819.00

Task 2.2 Public communication	Total \$ 43,462.55
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Task 2.3 Preconstruction surveys and initiation
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Labor Category	Rate	Quantity	Extension
Project Director	\$ 243.22	6	\$ 1,459.35
Project Manager	\$ 162.43	19	\$ 3,086.18
Task Manager	\$ 141.95	35	\$ 4,968.17
Admin Assistant	\$ 88.75	12	\$ 1,065.00
Sr. Engineer	\$ 228.61	18	\$ 4,114.98
Coastal Engineer III	\$ 171.46	44	\$ 7,544.24
Coastal Engineer II	\$ 131.04	10	\$ 1,310.37



Cost Detail

for

FEMA Category G - South Ponte Vedra
Beach Dune Restoration

Coastal Engineer I	\$ 116.01	48	\$ 5,568.70
Draftsman / Designer	\$ 113.97	40	\$ 4,558.97
Sr. Permitting Specialist	\$ 163.79	20	\$ 3,275.81
Sr. Construction Inspector	\$ 150.14	16	\$ 2,402.22
Construction Inspector	\$ 109.19	34	\$ 3,712.59
Field Survey / Biologist	\$ 109.19	8	\$ 873.55
Labor Total			\$ 43,940.12

Subconsultant	Rate	Quantity	Extension
Oceanside Solutions	\$ 1.00	35300	\$ 35,300.00
Subconsultant Total			\$ 35,300.00

Expenses	Rate	Quantity	Extension
Mileage	\$ 0.445	850	\$ 378.25
Lodging	\$ 150.00	12	\$ 1,800.00
Per Diem	\$ 40.00	12	\$ 480.00
Supplies	\$ 1.00	200	\$ 200.00
Expenses Total			\$ 2,858.25

Task 2.3 Preconstruction surveys and initiation	Total \$ 82,098.37
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Task 2.4 Construction management

Labor Category	Rate	Quantity	Extension
Project Director	\$ 243.22	17.5	\$ 4,256.43
Project Manager	\$ 162.43	97.5	\$ 15,836.97
Task Manager	\$ 141.95	230	\$ 32,647.98
Admin Assistant	\$ 88.75	20	\$ 1,775.00
Sr. Engineer	\$ 228.61	70	\$ 16,002.70
Coastal Engineer III	\$ 171.46	110	\$ 18,860.60
Coastal Engineer II	\$ 131.04	70	\$ 9,172.56
Coastal Engineer I	\$ 116.01	105	\$ 12,181.52
Draftsman / Designer	\$ 113.97	10	\$ 1,139.74
Sr. Construction Inspector	\$ 150.14	140	\$ 21,019.43
Construction Inspector	\$ 109.19	592.5	\$ 64,697.27
Labor Total			\$ 197,590.20

Subconsultant	Rate	Quantity	Extension
Oceanside Solutions	\$ 1.00	379000	\$ 379,000.00
CMAR Consulting	\$ 1.00	7000	\$ 7,000.00
Subconsultant Total			\$ 386,000.00



Cost Detail

for

FEMA Category G - South Ponte Vedra
Beach Dune Restoration

Expenses	Rate	Quantity	Extension
Mileage	\$ 0.445	6800	\$ 3,026.00
Lodging	\$ 150.00	160	\$ 24,000.00
Per Diem	\$ 40.00	160	\$ 6,400.00
Equipment	\$ 1.00	3150	\$ 3,150.00
Supplies	\$ 1.00	2000	\$ 2,000.00
Expenses Total			\$ 38,576.00

Task 2.4 Construction management	Total \$ 622,166.20
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Task 2.5 Environmental survey and monitoring

Labor Category	Rate	Quantity	Extension
Project Director	\$ 243.22	16	\$ 3,891.59
Project Manager	\$ 162.43	19	\$ 3,086.18
Task Manager	\$ 141.95	130.25	\$ 18,488.69
Admin Assistant	\$ 88.75	28.5	\$ 2,529.38
Sr. Engineer	\$ 228.61	6	\$ 1,371.66
Coastal Engineer III	\$ 171.46	20	\$ 3,429.20
Coastal Engineer I	\$ 116.01	20	\$ 2,320.29
Draftsman / Designer	\$ 113.97	16	\$ 1,823.59
Sr. Permitting Specialist	\$ 163.79	109.75	\$ 17,976.01
Labor Total			\$ 54,916.59

Subconsultant	Rate	Quantity	Extension
Coastal Conservation Group	\$ 1.00	155681	\$ 155,681.00
Subconsultant Total			\$ 155,681.00

Task 2.5 Environmental survey and monitoring	Total \$ 210,597.59
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Task 2.6 Contractor and agency closeout

Labor Category	Rate	Quantity	Extension
Project Director	\$ 243.22	8	\$ 1,945.80
Project Manager	\$ 162.43	19	\$ 3,086.18
Task Manager	\$ 141.95	51	\$ 7,239.34
Admin Assistant	\$ 88.75	15	\$ 1,331.25
Sr. Engineer	\$ 228.61	32	\$ 7,315.52



Cost Detail

for

FEMA Category G - South Ponte Vedra
Beach Dune Restoration

Coastal Engineer III	\$ 171.46	50	\$ 8,573.00
Coastal Engineer II	\$ 131.04	32	\$ 4,193.17
Coastal Engineer I	\$ 116.01	48	\$ 5,568.70
Draftsman / Designer	\$ 113.97	24	\$ 2,735.38
Sr. Permitting Specialist	\$ 163.79	26	\$ 4,258.55
Sr. Construction Inspector	\$ 150.14	4	\$ 600.56
Construction Inspector	\$ 109.19	67.5	\$ 7,370.57
Labor Total			\$ 54,218.01

Subconsultant	Rate	Quantity	Extension
Oceanside Solutions	\$ 1.00	48600	\$ 48,600.00
Subconsultant Total			\$ 48,600.00

Expenses	Rate	Quantity	Extension
Mileage	\$ 0.445	900	\$ 400.50
Lodging	\$ 150.00	12	\$ 1,800.00
Per Diem	\$ 40.00	12	\$ 480.00
Supplies	\$ 1.00	250	\$ 250.00
Expenses Total			\$ 2,930.50

Task 2.6 Contractor and agency closeout	Total \$ 105,748.51
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Phase 2: Bidding and construction	Total \$ 1,064,073.22
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Phase 3: Biological and physical monitoring

Task 3.1 Physical monitoring

Labor Category	Rate	Quantity	Extension
Project Director	\$ 254.17	2	\$ 508.34
Project Manager	\$ 169.74	15	\$ 2,546.10
Task Manager	\$ 148.34	10	\$ 1,483.35
Admin Assistant	\$ 92.74	1	\$ 92.74
Sr. Engineer	\$ 238.90	20	\$ 4,777.95
Coastal Engineer III	\$ 179.18	76	\$ 13,617.35
Coastal Engineer II	\$ 136.93	74	\$ 10,133.05
Coastal Engineer I	\$ 121.24	42	\$ 5,091.88
Draftsman / Designer	\$ 119.10	28	\$ 3,334.89
Sr. Permitting Specialist	\$ 171.16	28	\$ 4,792.51
Labor Total			\$ 46,378.17



Cost Detail

for
FEMA Category G - South Ponte Vedra
Beach Dune Restoration

Subconsultant	Rate	Quantity	Extension
Oceanside Solutions	\$ 1.00	30409.5	\$ 30,409.50
Subconsultant Total			\$ 30,409.50

Expenses	Rate	Quantity	Extension
Mileage	\$ 0.47	400	\$ 186.01
Lodging	\$ 156.75	10	\$ 1,567.50
Per Diem	\$ 41.80	10	\$ 418.00
Supplies	\$ 1.00	100	\$ 100.00
Expenses Total			\$ 2,271.51

Task 3.1 Physical monitoring	Total \$ 79,059.18
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Task 3.2 Biological monitoring

Labor Category	Rate	Quantity	Extension
Project Manager	\$ 169.74	2	\$ 339.48
Task Manager	\$ 148.34	66.5	\$ 9,864.30
Sr. Permitting Specialist	\$ 171.16	8	\$ 1,369.29
Labor Total			\$ 11,573.07

Subconsultant	Rate	Quantity	Extension
Coastal Conservation Group	\$ 1.00	68134	\$ 68,134.00
Subconsultant Total			\$ 68,134.00

Task 3.2 Biological monitoring	Total \$ 79,707.07
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Annual total \$ 158,766.25

Phase 3: Biological and physical monitoring	3 year total \$ 476,298.75
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June 25, 2024

Mark Stroik
Project Manager, VP
First Line Coastal
8586 Potter Park Drive
Sarasota, FL 34238
mstroik@firstlinecoastal.com
(941) 320-0241

RE: RFQ 1712R – FEMA Category G - South Ponte Vedra Beach Dune Restoration Scope of Services

Dear Mark:

Per your request, Aptim Environmental & Infrastructure, LLC (APTIM), proposes to conduct the following Scope of Services for First Line Coastal in support of the project for St. Johns County (the County) for South Pointe Vedra Beach from the Florida Department of Environmental Protection (FDEP) R-Monument 76 to 103.5.

Task 1.1a: Borrow Source Strategy

The County currently has multiple sand sources to consider utilizing as borrow sources. Borrow Area N-3 was previously leased and dredged. It is anticipated that there is a significant volume of sand remaining within that borrow area. Borrow Area N1 (A and B): Borrow Area N1-A was previously leased but has not been dredged; Borrow Area N1-B currently does not have a lease. There is anticipated to be sufficient sand remaining in the borrow area after dredging. There is also the potential of a new or expanded borrow area (Potential Borrow Area N-2 or other sources). This option may require additional data collection (not covered by this scope of work), environmental assessments and leasing.

APTIM will evaluate each of these potential borrow source options taking the following into consideration:

1. Data Coverage and Quality

APTIM will conduct a review of existing data within Borrow Areas N-3, N1-A, N1-B and Potential Borrow Area N-2 (and surrounding areas). The purpose of this effort is to identify all relevant data within these areas and identify where there are gaps in coverage and quality.

2. Historic Use

Expect the Extraordinary.



APTIM will evaluate the history of each potential borrow source option. This will include past use, performance of any projects that utilized the sediment, volume(s) previously dredged, and any concerns or issues that arose during dredging or project construction.

3. *Future Planned Use*

APTIM will attempt to identify any planned future use for each of the potential borrow source options to assess potential future conflict.

4. *Project Proximity*

APTIM will assess the feasibility of each potential sand resource based on its proximity to the project and dredging methods that will be required.

5. *Beach Compatibility*

Based on existing geotechnical data within each of the potential borrow source options (core borings, sediment samples), APTIM will evaluate the compatibility of each potential option with the existing or native beach. This will be based on the most current FDEP standards to determine which potential borrow source option(s) meet(s) both FDEP and County requirements in terms of grain size, sorting, fines content, and color.

6. *Environmental Concerns*

Environmental resource data will be compiled and evaluated for their impact to each of the potential borrow source options. These data are anticipated to include artificial reefs, Coastal Barrier Resource System (CBRS), Essential Fish Habitat (EFH), hardbottom and offshore reefs, seagrass and any other benthic habitats of concern that would prevent a potential borrow source option from being used as a borrow area.

7. *Marine Hazards*

APTIM will compile and assess known marine hazards in or within the vicinity of each potential borrow source option (i.e. known cultural resources and their associated buffers, submerged hazards, significant relict landforms or any other features including modern debris that would impact dredging activities). Several of the identified potential borrow source options are known to have Munitions of Explosive Concern (MEC) issues that will need to be evaluated. APTIM will also identify any potential infrastructure that may impact borrow source use (i.e. offshore cables).

8. *Dredgeability*

APTIM will review the current design of each potential borrow source option in terms of water depth, thickness of sediment, swath width and length and cut geometry to assess the dredgeability of each area.

9. *Permitting and Approvals*

APTIM will evaluate the permitting and approvals that are already in place for each potential borrow source option and will determine what actions would need to be taken to utilize the borrow sources (i.e. does the area require an environmental assessment and impact analysis or has one already been conducted? Is the area already leased? etc.).





While conducting the Task 1.1a assessment, APTIM will coordinate with the necessary regulatory agencies (i.e. the Bureau of Ocean Energy Management (BOEM), FDEP etc.) to obtain a clear understanding of the pros and cons of using each borrow source option.

The deliverable for this task will include a memorandum summarizing APTIM's evaluation of the potential sand resources and providing recommendations. Once this memorandum has been submitted and reviewed, APTIM will meet with First Line Coastal and the County to discuss the recommendations and come to a consensus on the path forward.

Task 1.1b: Pipeline Corridor Expansion

APTIM will consult with First Line Coastal, the County, and pertinent regulatory agencies on the potential to expand the pipeline corridor across the nearshore zone of the project area to support a more cost-effective and flexible dredging operation. This consultation will be limited to supporting the discussion in terms of required investigations that may or may not be needed to support regulatory review and approval of the potential expansion, including discussions related to potential resources and survey techniques to identify the resources to minimize impacts (if any). This task does not include and fieldwork, data collection, or data processing.

Task 1.2: Initial Agency Consultation

The APTIM Team will coordinate with First Line Coastal and the County to participate in general regulatory agency coordination during project permitting as well as one virtual/remote pre-application meeting for the proposed project. If the pre-application meeting cannot be held as one (1) meeting, APTIM will participate in two (2) separate meetings for state (FDEP and Florida Fish and Wildlife Commission (FWC)) and federal (USACE, U.S. Fish and Wildlife Service (USFWS), and National Marine Fisheries Service (NMFS)) staff.

APTIM will be responsible for preparing and presenting all pre-application information related to sand resources and borrow area(s) for this project. APTIM will lead all pre-application meeting discussions related to sand resources and borrow areas, as applicable. APTIM engineering and geosciences staff will be available on the pre-application call(s) to answer any related sand resource and/or borrow area questions during the pre-application meeting.

Task 1.3: Easement Campaign

The County is required to obtain executed construction easements from each potentially affected property owner within the project limits prior to commencement of construction. In order to assist with this task, APTIM will assist First Line Coastal and the County in the preparation of a necessary documents to describe the project and the need for the executed easement. APTIM will also attend two (2) public meetings with property owners to understand concerns and distribute information to the community.

Task 1.5: Borrow Area Development





Based on the direction of First Line Coastal and the County, APTIM will confirm the existing borrow area design for the selected borrow area. This scope of work item is predicated on the assumption that an existing, previously designed borrow area will be selected and utilized for the Project, requiring a cursory review of the previous design to ensure that it meets BOEM, FDEP, and other regulatory requirements and addresses dredgeability standards. If a new, undesigned borrow area is selected for the project, or if an expanded borrow area is created based on new geophysical, geological, and environmental data collection, additional work at additional cost will be required to design the new and/or previously undesigned sections of the borrow area(s).

Our coastal engineers will work closely with our marine geologists to optimize the borrow area design as needed. Design cuts will be confirmed and based on a variety of factors including (but not limited to) deposit geometry, sediment quality, dredgeability (i.e. minimum water depths, minimum swath width and length), volume requirements, potential nearshore impacts, and relative cost of dredging the material. Any areas identified for avoidance (such as cultural resource buffers, hardbottom, etc.) will be incorporated into the borrow area design. The update/confirmed borrow area design will be shared with First Line Coastal, who will then produce the require permit drawings and documentation supporting the borrow area design.

Task 1.6: Permit Application Development

APTIM will provide services to First Line Coastal and the County in support of securing a new BOEM lease for federal Outer Continental Shelf (OCS) sand resources within the designed/selected borrow area. This scope is predicated on the assumption that the County will select a borrow area that is currently not leased for use by the County directly, but is in close proximity to similar, previously leased OCS sand resources that a simple, updated National Environmental Policy Act (NEPA) Environmental Assessment (EA) – based off the EA for nearby previously leased OCS sand resources – will be needed. If a new EA, more extensive NEPA documentation, or any fieldwork or additional data collection is required, additional work at additional cost will be required to secure a lease.

APTIM will prepare a letter to BOEM requesting a new lease for federal OCS sand resources. In addition, APTIM will prepare and submit an updated EA document (based on previous, nearby NEPA OCS sand resource documentation) to include recent environmental information and other data required by BOEM. This task will include APTIM coordination with BOEM staff to process and issue the lease for the selected borrow area. APTIM also expects that resource agency consultation will be required and will coordinate with BOEM and resource agencies (NMFS) to facility agency consultation to ensure EA acceptance and lease issuance.

APTIM will perform/update compatibility analyses for offshore sand sources to supplement the geotechnical data submitted within the County's permit applications. The results of existing beach sand samples along with the compatibility analysis will be included as part of the final geotechnical documents. There will be no new field work proposed for this task, all compatibility analyses will be completed with previous data collection efforts for both the native beach information, as well as for the selected offshore borrow area. If a new, previously undesigned borrow area is selected for the project, or if an expanded borrow area is created based on new geological data collection, additional work at additional cost will be required to complete the compatibility analysis.





APTIM will update/modify and submit a Sediment QA/QC Plan to the FDEP for the renourishment project. APTIM will coordinate with the permitting agencies to complete the modification/development of the Sediment QA/QC Plan, which will be implemented during project construction as a condition of the FDEP permit. The Sediment QA/QC plan includes continuous monitoring of the sediment as it is pumped onto the beach by the dredge to insure the fill meets State standards.

Task 1.7: Bid Document Preparation

APTIM's team of MEC experts, including Unexploded Ordnance (UXO) Technicians and other accredited munitions experts, will review and edit the borrow area dredging specifications (developed by First Line Coastal) to provide expert advice and suggestions to aid in managing the risk associated with potential MEC in the borrow area. The scope of work for this item is limited to specifications review, including compliance with industry standards and suggested methodologies, and suggested edits to improve performance while mitigating risk. This task includes up to 20 hours of review (each) from APTIM's UXO Subject Matter Expert and Senior Unexploded Ordnance Supervisor. No field work or data collection/analysis is included in the cost for this scope item. While APTIM has the ability to conduct MEC and UXO clearance and mapping services, and can mitigate MEC and UXO within the placement area, these services are not included as part of this proposal.

Task 1.8: Project Management

APTIM will attend and coordinate with First Line Coastal in weekly progress meetings, including an initial project Kickoff Meeting. First Line Coastal will direct the meetings, covering work progress and schedule, permitting, design, plans and specifications, and other relevant issues that may need to be discussed. The proposed budget for this task includes up to thirty-five (35) weekly progress meetings. As needed throughout the project, APTIM will assist First Line Coastal will subject matter expertise through the review of technical documents, permit applications, designs, and construction plans and specifications.

Assumptions

Work described herein is based upon the scope of work as described above. Additional field operations not described herein will require a future scope of work.

Fee Proposal

The table below details the fee per task for this effort. The total Lump Sum cost is \$142,222.50. The services proposed herein are subject to the negotiation of mutually agreeable terms and conditions.





Task	Lump Sum Cost
1.1a: Borrow Source Strategy	\$19,390.00
1.1b: Pipeline Corridor Expansion	\$7,875.00
1.2: Initial Agency Consultation	\$7,498.00
1.3: Easement Campaign	\$9,999.00
1.5: Borrow Area Development	\$18,620.00
1.6: Permit Application Development	\$47,300.00
1.7: Bid Document Preparation	\$7,995.50
1.8: Project Management	\$23,745.00
Total	\$142,222.50

Thank you for the opportunity to serve First Line Coastal and St. Johns County. Please contact me if you have any questions.

Sincerely,

Nicole S. Sharp, P.E.
Director, Coastal Sciences & Engineering
Aptim Environmental & Infrastructure, LLC.

cc: Beau Suthard, APTIM
Shelby Riffey, First Line Coastal



Surfbreak Engineering Sciences, Inc.
19 Sailfish Drive
Ponte Vedra Beach, FL 32082 U.S.A.

(407) 227-6790

wdally@surfbreakengineering.com

Scope of Work and Costs

Design Phase of South Ponte Vedra Beach Dune Restoration Project

- 1) Based upon a Nearshore Synthetic Wave Record provided by Surfbreak Engineering Sciences for the period from 1954 to 2007, supplemented by more recent measurements available from National Data Buoy Center Station 41117 (2017-2024) and from the St. Johns County Beachfront Data Collection Facility (2021-2024), develop a long-term nearshore wave climate for South Ponte Vedra Beach. Emphasis is to be placed on seeking any trends that might exist in longshore sediment transport and in erosive storm events.

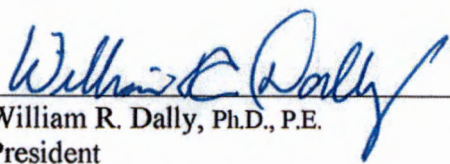
Cost: \$ 10,000

- 2) Recent analyses of the impacts of Hurricanes Matthew and Irma along the beaches of northern St. Johns County established that a natural frontal feature comprised of mostly "shell hash" provided remarkable erosion protection to aeolian dunes, particularly along the pristine beach of the Guana Tolomato Matanzas National Estuarine Research Reserve. Based upon this ongoing investigation, develop a *proposed* application of shell hash that could be incorporated into the South Ponte Vedra Beach dune restoration project.

Cost: \$ 8,000

Total Cost: \$18,000.00

On behalf of Surfbreak Engineering Sciences, Inc.:

 6/25/24

William R. Dally, Ph.D., P.E.
President



COASTAL | ENGINEERING | MANAGEMENT | SURVEY & MAPPING
FLORIDA | SATELLITE BEACH - MIAMI | CARIBBEAN ISLANDS
T: 321.312.3343 | eFAX: oceansidesolutions@hpeprint.com

WWW.OCEANSIDESOLUTIONS.COM

June 25, 2024

P24-0625 (FLC)

Attn: Mark Stroik, Project Manager, VP
First Line Coastal, LLC
8586 Potter Park Drive
Sarasota, FL 34238

RE: PROFESSIONAL SURVEY AND MAPPING SERVICES FOR THE SOUTH PONTE VERDA BEACH PROJECT, SAINT JOHN'S COUNTY, FLORIDA

Dear Mr. Mark Stroik:

Pursuant to your request, Oceanside Solutions, LLC. (Oceanside) is pleased to provide this request for proposal for services for the above-referenced project. The following parts describe the scope of work to be performed by Oceanside and present the terms of agreement between First Line Coastal, LLC., (Client).

In accordance with Minimum Technical Standards, Chapter 117, 472, 61G17, and Chapter 5J-17 of the Florida Statutes, Oceanside Solutions is considered as a Professional Hydrographic Survey and Mapping Business with licensed professionals that can provide any level of land survey and bathymetric mapping certification and environmental monitoring required for this project. Our staff is familiar with dredging operations, having designed, engineered, surveyed, and coordinated marine work for several large beach projects with marine contractors over the years.

Please review *Attachment A - Professional Services Rate Schedule*. Should you have any questions regarding this proposal or wish to move forward with a formal contract, please do not hesitate to contact me directly at (321) 312-3343 Ext .101

Sincerely,

OCEANSIDE SOLUTIONS, LLC

Joseph D. Doto, MS CoE, PSM, LEED AP
President / Principal Coastal & Oceanographic Engineer

DUNS No. 847990939
SMALL BUSINESS - SBA No. P1557052
CERTIFICATE OF AUTHORIZATION No. LB7852

PART 1 – PROFESSIONAL HYDROGRAPHIC SURVEY & MAPPING SERVICES

Task 1: Mobilization and Survey Control

Oceanside shall provide project control from published benchmarks as directed by the Engineer and/or Client. Horizontal datum shall be referenced to Florida State Plane NAD'83 and vertical elevations referenced to NAVD'88 in U.S. survey feet.

Task 2: Hydrographic Surveys

Oceanside will provide qualified staff with extensive experience with beach profile surveys and mapping practices that meet specifications for beach nourishment projects. Specifically, the hydrographic survey shall include capturing general site elevations along stationing, grade-breaks, edge of dune, and any coastal features as well as offshore bathymetry. Surveyors will utilize Hypack acquisition software and Rover/Base set up with Real-Time Kinematics (RTK) GPS to provide coordinate correct accuracy for beach and borrow site work.

- a) **FDEP Beach Monitoring Survey** shall be conducted as part of the permit requirements to document the pre-construction (BD) and post-construction (AD) site conditions. The surveys shall be conducted generally at R-monument and half-monument intervals (R-076 to R-104) to approximately 3,000 feet offshore from the shoreline.
- b) **Borrow Area Survey** shall be conducted as part of the permit requirements for the Bureau of Energy Management (BOEM). The survey shall consist of a multibeam survey providing a 100% sweep of the seafloor to the specified datum in accordance with USACE Hydrographic survey standards per EM 1110-2-1003. A certified survey report submittal for BOEM with accompanying ASCII data shall be provided to document the (BD) pre-construction and (AD) post-construction site conditions.
- c) **Pipeline Corridor Survey** shall be conducted during the design phase with a side-scan sonar system for detection and imaging objects on the seafloor. A coordinate corrected mosaic shall be combined with soundings to identify prominent seafloor features. The surveys shall be conducted offshore between R-076 and R-104 to approximately 3,000 feet offshore from the shoreline.

Task 3: Office Production (Map of Record)

Oceanside will provide support of survey layout, creating stakeout files, control work, adjustments to fill template to support the beach project. Map of Record documents and certification of progress payment submittals shall be provided as required as the Surveyor of Record and Professional Surveyor and Mapper (P.S.M.) in the State of Florida.

Deliverables are as follows:

- X-Y-Z Data files in ASCII Format
- Beach Profiles on Template in PDF Format
- Map of Record & Survey Certification

GENERAL

Schedule:

Professional survey and mapping services shall commence consulting services in July / August of 2024. All surveys are subject to sea state and weather conditions. Client shall provide an Authorization to Proceed as an executed contract prior to mobilization.

Fees:

This fee proposal is valid for 30 days. The Client will be invoiced for all parts on a percent complete basis or daily rate. Invoices are to be paid within 30 days (NET 30) of receipt of the invoice by the Client or in accordance with the invoicing terms and conditions below. Invoices not paid within ten (10) days and not in dispute shall incur interest at a rate of 4.5 percent per month. The Client agrees to pay any cost of collection including reasonable attorney's fees incurred whether or not a suit is commenced, or an appeal is taken.

Invoicing:

We anticipate billings to occur during the course of the project as presented in Attachment A.

Reimbursable Expenses:

Oceanside shall be reimbursed for grade stakes (or provided by Contractor) any office expense relating to printing or shipping. The day-rate provided by Oceanside will include travel, lodging, rentals, communication, tolls, and per diem. These expenses are not charged and are included as part of the day-rate professional consulting fees.

Contract Agreement

This agreement set forth between Oceanside Solutions LLC and First Line Coastal, LLC that agrees to a Lump-sum and/or Day-rate fee contract plus expenses for professional services.

Sincerely,

OCEANSIDE SOLUTIONS, LLC

SIGNED: _____ DATE: _____
First Line Coastal, LLC

ATTACHMENT A
PROFESSIONAL SERVICES RATE SCHEDULE

ITEM	DESCRIPTION	Est. Qty	Unit	Total Price
PART 1 – DESIGN PHASE: PROFESSIONAL HYDROGRAPHIC SURVEY & MAPPING				
1 a.	Mobilization & Control and setup of Benchmarks	1	LS	\$2,500
2 a.	FDEP Beach Monitoring Survey ▪ R076 to R104 offshore 3000' (57 lines)	1	BD	\$24,800
2 b.	Borrow Area BOEM Survey ▪ N-1 or N-3 Borrow Area (Approx 5 to 8 days)	1	BD	\$28,500
2 c.	Pipeline Corridor Survey • R076 to R104 offshore 3000' (Approx 8 to 10 days)	1	BD	\$36,500
3 a.	OFFICE: Production of Map of Record, Survey Template, Pre-planning, Survey Drawings, BOEM, and Certifications.	4	\$1,800	\$7,200
Total Estimated Fees				\$99,500





Coastal Conservation Group, LLC

June 25, 2024

Mark Stroik
Project Manager | Vice President
First Line Coastal
8586 Potter Park Drive
Sarasota, FL 34238

RE: FEMA Category G South Ponte Vedra Dune Restoration Proposal – Phase I

Dear Mr. Stroik,

Coastal Conservation Group, LLC (CCG) is pleased to provide the following proposal for professional environmental services in support of the St. Johns County FEMA Category G South Ponte Vedra Dune Restoration project. This proposal addresses post-construction marine turtle and shorebird permit compliance between R-76 and R 103.5, approximately 5.5 miles of beach. This monitoring will comply with all applicable conditions set forth in the regulatory permits and related authorizations issued for the project.

SCOPE OF SERVICES

- ❖ Florida Department of Environmental Protection (FDEP) Joint Coastal Permit (JCP) Permit 0340616-003-JC) for FEMA Category G South Ponte Vedra Restoration Project
- ❖ U.S. Fish and Wildlife Service (USFWS) Revised Statewide Programmatic Biological Opinion (BO) dated March 13, 2015
- ❖ USFWS Programmatic Piping Plover Biological Opinion (P³BO) dated May 22, 2013

The Florida Fish and Wildlife Conservation Commission (FWC) Marine Turtle Conservation Handbook and St. Johns County Habitat Conservation Plan (HCP) will be considered during the carrying out of this scope.

Task 1: FWC Coordination - Marine Turtle Relocations and Monitoring Authorizations

CCG staff and the Marine Turtle Permit Holder (MTPH) for South Ponte Vedra will coordinate with FWC staff to obtain authorizations to conduct sea turtle monitoring and perform relocations according to Florida Marine Turtle Permit Rule (Chapter 68E-1, Florida Administrative Code).



Coastal Conservation Group, LLC

Task 2: FWC Coordination – Gopher Tortoise (GT) Relocations and Monitoring Authorizations

As an authorized GT agent CCG staff will coordinate with FWC staff to obtain authorizations to conduct gopher tortoise surveys and perform relocations according to Florida Marine Turtle Permit Rule (Chapter 68A-27.003, Florida Administrative Code).

Task 1: Overall Environmental Project Management and Reporting.....	\$1,500
Task 2: Marine Turtle Post Project Monitoring.....	\$3,000
Total:.....	\$4,500

Please let me know if you have any questions.

Sincerely,

Tara Dodson

Tara Dodson
Coastal Conservation Group, LLC
Project Manager | Lead Biologist
MBA Environmental Compliance



**ST. JOHNS COUNTY
BOARD OF COUNTY COMMISSIONERS**

**RFQ NO. 1712R
REQUEST FOR QUALIFICATIONS**

**FEMA Category G - South Ponte Vedra Beach Dune
Restoration Project Development, Design, Permitting, and
Construction Administration**

**St. Johns County Purchasing Department
500 San Sebastian View
St. Augustine FL 32084
(904) 209-0150**

www.sjcfi.us/Purchasing/Index.aspx

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PART I: GENERAL TERMS AND CONDITIONS

A. DEFINITIONS

Terms used within this Request for Qualifications (“RFQ”) shall have the meaning as set forth in the definitions established by the St. Johns County Purchasing Policy (“Policy”), or as provided herein.

B. PURPOSE & INTENT

The purpose of this Request for Qualifications (RFQ) is to solicit Qualifications from Respondents, who are licensed to perform engineering service in the State of Florida, in accordance with Florida Statutes § 287.055 for project development, permitting, design, and construction administration services of South Ponte Vedra Beach Management Project in St. Johns County.

The intent of the County is to select the most qualified Respondent, based upon evaluation of submitted Qualifications and presentations/interviews with shortlisted Respondents, for the purposes of negotiating and awarding a contract for completion of the Services.

C. SUBMITTAL DEADLINE & LOCATION

Qualifications submitted in response to this RFQ must be delivered to, and received by the SJC Purchasing Division by or before **four o’clock (4:00PM EST) on Thursday, March 28, 2024**. Any Qualifications received by the SJC Purchasing Division after the stipulated deadline shall not be considered and will be returned to the Respondent, unopened.

Qualifications must be submitted to: St. Johns County Purchasing Division
500 San Sebastian View
St. Augustine, FL 32084

All mail delivered to the County is processed through SJC Central Receiving. Respondents must factor the additional time for processing when mailing their Proposals to the County. Any Proposals that are not delivered to the SJC Purchasing Department by the Submittal Deadline above shall not be considered, even if the Proposal is delivered to SJC Central Receiving prior to the deadline above. SJC Purchasing is not responsible for Proposals that are delayed in delivery due to mail processing activities of the County’s Central Receiving Office.

Additionally, the County is not responsible for Proposals that are incorrectly labeled, addressed, mailed or otherwise delivered to an incorrect location other than the SJC Purchasing Department. Any such Proposal that is not received in the SJC Purchasing Department shall be returned to the Proposer, unopened.

D. DESIGNATED POINT OF CONTACT

Any and all questions or requests for information relating to this RFQ must be directed, **in writing**, to the following Designated Point of Contact provided below:

Designated Point of Contact: Sherrie Ashby, Procurement Coordinator
SJC Purchasing Division
500 San Sebastian View
St. Augustine, FL 32084
Email: sashby@sjcfl.us

In the event the Designated Point of Contact provided above is absent or otherwise unavailable for more than three (3) business days, firms may contact Greg Lulkoski, Procurement Coordinator at glulkoski@sjcfl.us.

E. LOBBYING PROHIBITION

In accordance with Section 9 of the Policy, Respondents **SHALL NOT** contact any staff member of St. Johns County, including members of the Board of County Commissioners, except the above referenced individual, with regard to this RFQ. Any such communication is a violation of the Policy and shall result in disqualification, and removal from consideration for award of a contract under this RFQ.

F. SUBMITTAL OF QUESTIONS/INQUIRIES

Any and all questions and/or inquiries related to this RFQ shall be directed, in writing, to the Designated Point of Contact as provided above, by or before **four o'clock (4:00PM) EST on Thursday March 21, 2024**. Any questions received after this deadline will not be addressed or clarified by the County, unless it is determined to be in the best interest of the County to do so. The County reserves the right to extend the Submittal Deadline for Qualifications in order to clarify or answer questions as necessary to serve the best interest of the County.

G. TENTATIVE SCHEDULE OF EVENTS

The County proposes the tentative schedule of events below. The dates provided may change at the discretion of the County. If any modifications impact the schedule of this RFQ, through and until the Submittal Deadline for Qualifications, the County will issue an Addendum.

Advertisement of RFQ	March 15, 2024
Deadline for Questions	March 21, 2024
Issuance of Final Addendum	March 22, 2024
Deadline for Submittal of Qualifications	March 28, 2024
Evaluation of Qualifications Submittals & Shortlist	April 4, 2024
Interviews with Shortlisted Vendors	April 11, 2024
Presentation of Award Recommendation to SJC BOCC	May 7, 2024

H. ADDENDA

Any and all clarifications, answers to questions, or changes to this RFQ shall be provided through a County issued Addendum, posted on www.demandstar.com. Any clarifications, answers, or changes provided in any manner other than a formally issued addendum, are to be considered “unofficial” and shall not bind the County to any requirements, terms or conditions not stated herein.

The County shall make every possible, good faith effort to issue any and all addenda no later than seven (7) days prior to the due date for qualifications. Any addenda issued after this date shall be for material, necessary clarifications to the Request for Qualifications.

Respondent is solely responsible for including any and all information, clarifications, revisions, or other directions provided by the County in each Addendum in their submitted Qualifications. Respondent must acknowledge each and every Addendum issued by the County and attest to its inclusion in their submitted Qualifications. Failure by Respondent to include any Addendum in their submitted Qualifications, may result in the submitted Qualifications being deemed non-responsive to the requirements of this RFQ.

I. SOLICITATION POSTPONEMENT/CANCELLATION

The County may, at its sole and absolute discretion, postpone, cancel, or re-advertise, at any time, this solicitation process for any reason, as determined by County Staff, in order to best serve the interests of the County.

J. RIGHT TO REJECT/ACCEPT

The County reserves the right to accept or reject any or all Qualifications, waive minor formalities and irregularities, and to award to the Respondent that serves the best interest of the County.

K. COMPLIANCE WITH ST. JOHNS COUNTY PURCHASING POLICY

All terms and conditions of the St. Johns County Purchasing Policy (“Policy”), and associated procedures are incorporated into this RFQ Document by reference, and are fully binding. Respondents are required to submit their responses to this RFQ, and to conduct their activities during this process in accordance with the Policy and associated

procedures.

This solicitation, the subsequent evaluation, negotiations, and contract award shall be in accordance with the Policy and associated procedures. The County reserves the right to disqualify, remove from consideration, or suspend/debar as appropriate, any Respondent or Supplier that does not comply with the applicable requirements set forth in the Policy and associated procedures.

L. LOCAL PREFERENCE

While the County has a Local Preference Policy, this project is funded through Florida Department of Environmental Protection (FDEP), and The Federal Emergency Management Agency (FEMA), which prohibits the use of local preference in the consideration for award, as provided in Florida Statute §255.0991. The SJC Purchasing Policy, Section 16.3.1 allows the County to waive the use of local preference in such circumstances.

M. SUB-CONTRACTORS

If a Respondent elects to sub-contract with any Contractors, Consultants, or Suppliers, for any portion(s) of the required Services, Respondent must identify all such Sub-Contractor(s) in the submitted Qualifications, along with the portion(s) of the Services, they are proposed to perform. The County may, at its discretion, require Respondent to submit any and all relevant data necessary to establish to the satisfaction of the County, the qualifications, reliability and responsibility of the Sub-Contractor(s) proposed, to ensure, they are appropriately qualified and capable to perform the specified Services.

Prior to award of a contract, the County will notify the Respondent, in writing, if the County, after due investigation, has reasonable and substantial objection to any proposed Sub-Contractor. The Respondent may then submit an alternate Sub-Contractor for consideration of the County, at no additional cost to the County, or may request to withdraw from consideration of award. If the Respondent fails to propose an alternate Sub-Contractor within seven (7) calendar days of the original notification, the County may disqualify the Respondent, at no cost to the County.

The County reserves the right to disqualify any Respondent, Contractor, Consultant, Supplier or Individual from consideration to perform Services, at either a prime or sub level, due to previously documented issues with performance, quality or compliance with the County or any other agency.

The awarded Respondent is responsible for ensuring that proposed Sub-Contractors only perform the Services for which they were proposed and accepted by the County, and Respondent must not change the Sub-Contractor(s) without prior written approval by the County.

The awarded Respondent shall be responsible for any and all Services performed by any Sub-Contractor(s) and such sub-contracts shall not relieve the awarded Respondent of any obligations or responsibilities stated in the awarded Contract.

N. PROHIBITION AGAINST CONSIDERATION OF SOCIAL, POLITICAL, OR IDEOLOGICAL INTERESTS

Respondents are hereby notified of the provisions of Section 287.05701, Florida Statutes, as amended, that the County will not request documentation of or consider a Respondents social, political, or ideological interests when determining if the Respondents is a responsible Respondent. Proposers are further notified that the County's governing body shall not give preference to a Respondent based on the Respondents social, political, or ideological interests.

O. EQUAL EMPLOYMENT OPPORTUNITY

In accordance with federal, state and local law, the submitting firm shall not discriminate against any employee or applicant for employment because of race, color, religion, sex, national origin, or handicap. The awarded Respondent shall be required to comply with all aspects of the Americans with Disabilities Act (ADA) throughout the duration of the awarded Contract.

P. EMPLOYMENT ELIGIBILITY AND MANDATORY USE OF E-VERIFY

As a condition precedent to entering into the awarded Agreement, and in accordance with section 448.095, Florida Statutes, the awarded Respondent and any Sub-Contractor(s) shall register with and use the E-Verify system to verify the work authorization status of all employees hired on or after July 1, 2023.

1. Awarded Respondent shall require each of its Sub-Contractors to provide the Respondent with an affidavit stating that the Sub-Contractor does not employ, contract with, or subcontract with an unauthorized alien. The Respondent shall maintain a copy of such affidavit for the duration of the awarded Agreement.
2. The County, awarded Respondent, or any Sub-Contractor who has a good faith belief that a person or entity with which it is contracting has knowingly violated section 448.09(1), F.S. or these provisions regarding employment eligibility shall terminate the contract with the person or entity.
3. The County, upon good faith belief that a subcontractor knowingly violated these provisions regarding employment eligibility, but Respondent otherwise complied, shall promptly notify the Respondent and the Respondent shall immediately terminate the contract with the Sub-Contractor.
4. The Respondent acknowledges that, in the event that the County terminates the awarded Contract for the Respondent's breach of these provisions regarding employment eligibility, then the Respondent may not be awarded a public contract for at least one (1) year after such termination. The Respondent further acknowledges that the Respondent is liable for any additional costs incurred by the County as a result of the County's termination of the awarded Agreement for breach of these provisions regarding employment eligibility.

PART II: SCOPE OF SERVICES

A. BACKGROUND

Recent hurricanes and northeasters have severely eroded South Ponte Vedra Beach (SPV). To alleviate beach damage and protect upland infrastructure, St. Johns County ("County") restored the dune and berm system along the shoreline between Florida Department of Environmental Protection (FDEP) monuments R76 and R103.5 ("project area"), a state-designated critical erosion area. In mid-2022 the County contracted with Weeks Marine to dredge and place approximately 733,122 CY along the project area. Unfortunately, the devastating impacts from back-to-back hurricanes Ian and Nicole in late 2022 caused much of the sand that was placed to erode. The County is pursuing FEMA Cat G funding and has already secured State funding to reconstruct the project. The southern end of this project will tie in with the northern end of a U.S. Army Corps of Engineers (USACE) Coastal Storm Risk Management (CSRM) project which just wrapped up its second nourishment in December 2023. Sources of project funding include the State of Florida post-Ian/Nicole emergency grant and FEMA Category G.

The proposed project sand placement volume is 610,000 cubic yards (about 22 cy/ft. on average). The upland side of the project area contains a mix of developed and undeveloped lots, with and without seawalls. The County has, through the services of a coastal engineering consultant, already developed construction-level plans and specifications for the initial construction event (Exhibit 1). The beach fill template is non-uniform in the alongshore direction. The design calls for a dune with a crest width of 15 ft. and an elevation varying between 14 and 16.5 ft. NAVD alongshore, and a berm with a width varying between 30 and 40 ft. and an elevation varying between 10 and 12.5 ft. NAVD alongshore.

The original borrow site, a sub-section of a large shoal termed Site N3, lies in federal waters about eight miles immediately offshore the project area. This borrow area was used in the original construction and was just recently used by the USACE South Ponte Vedra and Vilano Beach CSRM. As part of the initial dredging event of the Ponte Vedra Beach Nourishment project, the County has a lease for N1-A (Exhibit 4) which is about 10 miles north of the project area. For the proposed project in SPV, the consultant will need to permit or modify an existing BOEM lease for an offshore borrow area. Borrow area N3 or N1-B are potential options.

The County has a joint coastal permit from the FDEP (0340616-003-JC (Exhibit 2) and a Department of Army permit from the USACE (SAJ-2018-00349 (Exhibit 3). An Erosion Control Line has been established throughout the project area. The County currently has 237 out of 273 easements within the project area and plans on acquiring the remaining easements.

B. OBJECTIVES

The County desires to select a Consultant to permit a sand source for the South Ponte Vedra Beach Restoration Project, develop construction-ready documents, assist the County with the bidding process for a construction contractor, and provide construction administration services. The selected Consultant will:

- Permit a borrow source for the project
- Review and update the existing plans and specifications for the construction bid
- Develop an estimate of construction costs and schedule
- Assist in community engagement
- Assist the County with the bidding process aimed at procuring the construction contractor
- Provide construction administration services
- Perform any pre and during-construction environmental monitoring

C. SCOPE OF SERVICES

1. Existing Data Review and Gaps Identification
All data mentioned in the Background section will be available for use by the Consultant. The Consultant will review the data and any other relevant data/reports to determine any additional data needs.
2. New Data Collection
After completion of task 1 the consultant should use that information to conduct any additional data collection efforts.
3. Borrow Area Development
The Consultant shall review the existing data in the proposed borrow areas – hydrographic, sub-bottom seismic, side scan, and magnetometer survey and vibracore data. Through the review of the existing data, current leases, and any other relevant sources, the Consultant shall develop and implement a detailed phase borrow area investigation to define the borrow sites to the level sufficient for project volumetric and sand quality needs, permitting, and excavation design. Typical fieldwork expected in this phase includes the assessment and potential collection of additional, fine-grid vibracore, sub-bottom seismic, hydrographic, side scan, and magnetometer survey data. The cultural resources component of work may require diver investigation of anomalies. Note that fieldwork in federal waters may require Bureau of Ocean Energy Management (BOEM) permits. The Consultant shall confirm the documentation of the environmental characteristics of the borrow area at a level sufficient for permitting and leasing. The Consultant should be prepared to develop an Environmental Assessment of the borrow area if required by the permitting agencies. Diver investigation of hardbottom resources may also be required should such resources be present. The Consultant shall use the results of the above surveys, analyses, and assessments to finalize the proposed borrow area. Typical items necessary for such definition include – the locations, depths of cut, sand characteristics (color, grain size distribution, and content), sand volumes, and sand compatibility. If required by the regulatory agencies or BOEM, the Consultant shall conduct a borrow area excavation impact analysis.
4. Permit Application Preparation and Submittal
As early as possible, the Consultant shall conduct coordination/pre-application meetings with the Bureau of Ocean Energy Management (BOEM) to communicate to them the project objectives and come to an understanding of the information, data, and analyses needed to submit complete applications for the lease agreements. For example, these meetings should discuss agency needs and concerns, the need for any borrow site excavation impact analyses, the level of National Environment and Planning Agency (NEPA) coordination

necessary, etc.

The Consultant will promptly and comprehensively respond to requests for additional information from the regulatory and commenting agencies.

5. Lease Agreement for Borrow Area in Federal Water
The Consultant shall prepare and submit, if the borrow area is in federal waters, all information necessary for the County to execute with BOEM the Negotiated Noncompetitive Agreement for Use of Outer Continental Shelf Sand, Gravel, and/or Shelf Resources.
6. Placement and Borrow Areas Final Design
The Consultant will review and update the beach fill and borrow area templates such that beach-compatible sediments are placed on the beach, prepare plan and cross-section views, and develop bidding quantities. If needed, the Consultant will design appropriate methods to address parcels with no construction easements. The placement area will include dune plantings.
7. Preparation of Construction Documents
The Consultant shall:
 - Review and update the existing plans and specifications (including bases and measurements for payment) confirming they are consistent with all permits and the NNA, and of a level suitable for insertion into the County's procurement package to secure a construction contractor
 - Develop all project construction quantities
 - Estimate construction costs and the construction schedule, and
 - Develop any other related materials
8. Bidding Phase Assistance
The Consultant will prepare for and attend the pre-bid meeting and answer any technical questions potential bidders may have promptly.
9. Construction Phase Services
 - Acting as the County's Representative, the Consultant shall provide all construction administration services required to execute a successful construction project consistent with all permits, the NNA, and project construction documents. Construction Management Support, to include:
 - Public Engagement
 - Contractor Initiation and Kickoff Meeting
 - Agency Coordination and Notification
 - As needed pre-construction beach surveys
 - Construction Engineering and Oversight
 - Change order reviews and project recommendations
 - Supplemental Beach Surveys
 - Validation surveys or spot checks of completed sections of the project
 - Construction Phase Environmental Monitoring
 - Any other task the consultant identifies as necessary for construction management support
10. Post-construction documentation, to include:
 - Coordination with contractors and agencies necessary for the closeout of the construction project.
 - Project Closeout - Development of final As-Built drawings and coordination with all local, state, and federal agencies.
 - Notice of Completion: Preparation and submittal of the Notice of Completion and supporting documentation as required by the state and federal regulatory authorizations including FEMA.
 - Deliverable: database with project record including as-built drawings, memo with recommendations for acceptance of the project and any other documents necessary to ensure compliance with the applicable permits
11. Environmental Monitoring

- Seasonal Environmental Monitoring - Marine turtle nest monitoring will occur as described in the FDEP permits. During construction, monitoring may be turned over to the construction firm but will need to be picked up by a consultant if any monitoring remains after completion of construction.
- Marine turtle nesting survey report.
- Gopher Tortoise Monitoring and/or relocations
- If applicable shorebirds, Indigo Snakes, Anastasia Beach Mice, North Atlantic Right Whale
- Any remaining permit required for environmental monitoring

12. Community Engagement

As needed the Consultant shall assist the County in public forums throughout the project which information concerning the progress of the project can be communicated to the communities and community input can, in turn, be received.

13. FEMA

The Consultant must be experienced with FEMA Category G project criteria. They must review and understand the FEMA Cat G report, Project Worksheet, and any additional requirements.

14. Additional Services

The Consultant will state in their proposal any additional services it thinks are necessary to achieve the project objectives.

PART III: FEMA PUBLIC ASSISTANCE PROGRAM REQUIRED CONTRACT PROVISIONS

1. Equal Employment Opportunity.

If this contract meets the definition of a "federally assisted construction contract" as provided in 41 C.F.R. § 60-1.3, the following shall apply to the Contractor's performance under this contract:

- a. The Contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin. The Contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, or national origin. Such action shall include, but not be limited to the following: Employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.
- b. The Contractor will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive considerations for employment without regard to race, color, religion, sex, or national origin.
- c. The Contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice to be provided advising the said labor union or workers' representatives of the Contractor's commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.
- d. The Contractor will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.
- e. The Contractor will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records, and accounts by the administering agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.

- f. In the event of the Contractor's noncompliance with the nondiscrimination clauses of this contract or with any of the said rules, regulations, or orders, this contract may be canceled, terminated, or suspended in whole or in part and the contractor may be declared ineligible for further Government contracts or federally assisted construction contracts in accordance with procedures authorized in
- g. Executive Order 11246 of September 24, 1965, and such other sanctions as may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.
- h. The Contractor will include the portion of the sentence immediately preceding paragraph (a) and the provisions of paragraphs (a) through (g) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The Contractor will take such action with respect to any subcontract or purchase order as the administering agency may direct as a means of enforcing such provisions, including sanctions for noncompliance: Provided, however, That in the event a contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction by the administering agency the contractor may request the United States to enter into such litigation to protect the interests of the United States."

For the purposes of this section, "federally assisted construction contract" means any agreement or modification thereof between any applicant and a person for construction work which is paid for in whole or in part with funds obtained from the Government or borrowed on the credit of the Government pursuant to any Federal program involving a grant, contract, loan, insurance, or guarantee, or undertaken pursuant to any Federal program involving such grant, contract, loan, insurance, or guarantee, or any application or modification thereof approved by the Government for a grant, contract, loan, insurance, or guarantee under which the applicant itself participates in the construction work.

For the purposes of this section, "construction work" means the construction, rehabilitation, alteration, conversion, extension, demolition or repair of buildings, highways, or other changes or improvements to real property, including facilities providing utility services. The term also includes the supervision, inspection, and other onsite functions incidental to the actual construction.

2. Compliance with the Copeland "Anti-Kickback" Act.

- a. Contractor. The Contractor shall comply with 18 U.S.C. § 874, 40 U.S.C. § 3145, and the requirements of 29 C.F.R. pt. 3 as may be applicable, which are incorporated by reference into this contract.
- b. Subcontracts. The Contractor or subcontractor shall insert in any subcontracts the clause above and such other clauses as FEMA may by appropriate instructions require, and also a clause requiring subcontractors to include these clauses in any lower tier subcontracts. The prime Contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all of these contract clauses.
- c. Breach. A breach of the contract clauses in subsections (a) and (b) above may be grounds for termination of the contract, and for debarment as a Contractor and subcontractor as provided in 29 C.F.R. § 5.12.

3. Contract Work Hours and Safety Standards Act.

- a. This section applies to all contracts in excess of \$100,000 that involve the employment of mechanics or laborers as provided in 40 U.S.C. § 3701.
- b. As provided in 40 U.S.C. § 3702, the contractor shall compute the wages of every mechanic and laborer on the basis of a standard work week of 40 hours. Work in excess of the standard work week is

- c. permissible provided that the worker is compensated at a rate of not less than one and a half times the basic rate of pay for all hours worked in excess of 40 hours in the work week.
- d. The requirements of 40 U.S.C. § 3704 shall apply to construction work and provide that no laborer or mechanic must be required to work in surroundings or under working conditions which are unsanitary, hazardous or dangerous. These requirements do not apply to the purchases of supplies or materials or articles ordinarily available on the open market, or contracts for transportation or transmission of intelligence.
- e. No Contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.
- f. In the event of any violation of the clause set forth in paragraph (d) of this section the contractor and any subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph (d) of this section, in the sum of \$10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (d) of this section.
- f. The County shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the Contractor or subcontractor under any such contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (e) of this section.
- g. The Contractor or subcontractor shall insert in any subcontracts the clauses set forth in paragraph (c) through (f) of this section and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime Contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs (c) through (f) of this section.

4. Compliance with Clean Air Act.

- a. The Contractor agrees to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act, as amended, 42 U.S.C. § 7401 et seq.
- b. The Contractor agrees to report each violation to the County and understands and agrees that the County will, in turn, report each violation as required to assure notification to the state of Florida, Federal Emergency Management Agency, and the appropriate Environmental Protection Agency Regional Office.
- c. The Contractor agrees to include these requirements in each subcontract exceeding \$100,000 financed in whole or in part with Federal assistance provided by FEMA.

5. Compliance with Federal Water Pollution Control Act.

- a. The Contractor agrees to comply with all applicable standards, orders or regulations issued pursuant to the Federal Water Pollution Control Act, as amended, 33 U.S.C. 1251 et seq.

- b. The Contractor agrees to report each violation to the County and understands and agrees that the County will, in turn, report each violation as required to assure notification to the state of Florida, Federal Emergency Management Agency, and the appropriate Environmental Protection Agency Regional Office.
- c. The Contractor agrees to include these requirements in each subcontract exceeding \$100,000 financed in whole or in part with Federal assistance provided by FEMA.

6. Debarment and Suspension.

- a. This Contract is a covered transaction for purposes of 2 C.F.R. pt. 180 and 2 C.F.R. pt. 3000. As such the Contractor is required to verify that none of the Contractor, its principals (defined at 2 C.F.R. § 180.995), or its affiliates (defined at 2 C.F.R. § 180.905) are excluded (defined at 2 C.F.R. § 180.940) or disqualified (defined at 2 C.F.R. § 180.935).
- b. The Contractor must comply with 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C and must include a requirement to comply with these regulations in any lower tier covered transaction it enters into.
- c. This certification is a material representation of fact relied upon by the County. If it is later determined that the Contractor did not comply with 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C, in addition to remedies available to the state of Florida and the County, the Federal Government may pursue available remedies, including but not limited to suspension and/or debarment.
- d. The Bidder or Proposer agrees to comply with the requirements of 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C while this offer is valid and throughout the period of any contract that may arise from this offer. The Bidder or Proposer further agrees to include a provision requiring such compliance in its lower tier covered transactions.

7. Byrd Anti-Lobbying Amendment

Contractors who apply or bid for an award of \$100,000 or more shall file the required certification. Each tier certifies to the tier above that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant, or any other award covered by 31 U.S.C. § 1352. Each tier shall also disclose any lobbying with non-Federal funds that takes place in connection with obtaining any Federal award. Such disclosures are forwarded from tier to tier, up to the recipient.

APPENDIX A, 44 C.F.R. PART 18: CERTIFICATION REGARDING LOBBYING

Certification for Contracts, Grants, Loans, and Cooperative Agreements (To be submitted with each bid or offer exceeding \$100,000)

The undersigned [Contractor] certifies, to the best of his or her knowledge, that:

1. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
2. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form- LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

3. The undersigned shall require that the language of this certification be included in the award documents for all sub-awards at all tiers (including subcontracts, sub-grants, and contracts under grants, loans, and cooperative agreements) and that all sub-recipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31, U.S.C. § 1352 (as amended by the Lobbying Disclosure Act of 1995). Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

The Contractor certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the Contractor understands and agrees that the provisions of 31 U.S.C. § 3801 et seq., apply to this certification and disclosure, if any.

Signature of Contractor's Authorized Official
Name and Title of Contractor's Authorized Official
Date

8. Procurement of Recovered Materials.

- a. In the performance of this contract, the Contractor shall make maximum use of products containing recovered materials that are EPA- designated items unless the product cannot be acquired—
 - i. Competitively within a timeframe providing for compliance with the contract performance schedule;
 - ii. Meeting contract performance requirements; or
 - iii. At a reasonable price.

9. DHS Seal, Logo, and Flags.

The Contractor shall not use the DHS seal(s), logos, crests, or reproductions of flags or likenesses of DHS agency officials without specific FEMA pre-approval.

10. Compliance with Federal Law, Regulations, and Executive Orders.

This is an acknowledgement that FEMA financial assistance will be used to fund the contract only. The contractor will comply with all applicable federal law, regulations, executive orders, FEMA policies, procedures, and directives.

11. No Obligation by Federal Government.

The Federal Government is not a party to this contract and is not subject to any obligations or liabilities to the non-Federal entity, contractor, or any other party pertaining to any matter resulting from the contract.

12. Fraud and False or Fraudulent or Related Acts.

The Contractor acknowledges that 31 U.S.C. Chap. 38 (Administrative Remedies for False Claims and Statements) applies to the contractor's actions pertaining to this contract.

PART IV: SUBMITTAL INSTRUCTIONS & FORMAT

A. RESPONDENT RESPONSIBILITIES

Respondents are responsible for any and all costs associated with developing and submitting Qualifications in response to this RFQ. Respondents are also solely responsible for any and all costs associated with interviews and/or presentations. It is expressly understood, no Respondent may seek or claim any award and/or re-imbursment from the County for any expenses, costs, and/or fees (including attorneys' fees) borne by any Respondent, during the entire RFQ process. Such expenses, costs, and/or fees (including attorneys' fees) are the sole responsibility of the Respondent.

All Qualifications received in response to this RFQ shall become the property of St. Johns County and will not be returned. In the event of contract award, all documentation produced as part of the contract will become the exclusive property of the County.

By submitting Qualifications, in response to this RFQ, Respondent certifies that its representatives have carefully read and fully understand all instructions and requirements provided in this RFQ, and have full knowledge the scope, nature, and quality of work to be performed for the County. All Qualifications submitted shall be binding for a minimum of one hundred twenty (120) consecutive calendar days from the Submittal Deadline.

Respondents are responsible for complying with all applicable provision of the Policy as well as all applicable rules, laws, codes, and ordinances throughout the solicitation process.

B. MINIMUM QUALIFICATIONS

The following are minimum requirements that Respondent must meet in order to be considered responsible to perform the specified Services. Respondent must submit sufficient documentation to clearly demonstrate that Respondent meets or exceeds the following minimum qualification requirements:

1. Must be a State of Florida licensed Engineering Firm, or Architect, or Landscape Architect, as defined in Chapter 287.055(2)(h)(2), Florida Statutes or in accordance with Section 491.023 Florida Statutes; and
2. Must have an active registration with the State of Florida, Department of State, Division of Corporations; and
3. Must possess a current Local Business Tax Receipt for St. Johns County, or must agree to obtain a Local Business Tax Receipt upon County issuance of Notice of Intent to Award.
4. Must have no exclusions listed in www.SAM.gov.
5. Must have successfully completed, as the lead firm, a minimum of three (3) projects in the State of Florida in the last ten (10) years of similar size and scope to that described herein.

Failure by any Respondent to meet the minimum requirements stated above, shall result in Respondent being deemed non-responsible and removed from further consideration. Minimum qualification requirements must be maintained throughout the duration of an awarded Contract.

C. JOINT VENTURE

In the event a Joint Venture submits Qualifications, all documents required by the Florida Department of Business and Professional Regulation must be filed, in accordance with Section 489.119, Florida Statutes, prior to the Submittal Deadline for Qualifications, as stated herein, or as revised by Addendum. The documents included in the Joint Venture's Qualifications must be signed by an individual that is duly empowered by a properly executed Declaration of a Joint Venture and Power-of-Attorney. The Joint Venture's Qualifications must clearly identify the member of the Joint Venture that will be responsible for each aspect of the Services required under the awarded Contract.

D. TRADE SECRETS

All material marked as a trade secret must be separated from all non-trade secret material, such as being submitted in a separate envelope clearly marked as "trade secret". If the County receives a public records request for a document or information that is marked and certified as a trade secret, the County shall promptly notify the person that certified the document as a trade secret.

To invoke the provisions of Florida Statute 812.081, Trade Secrets, or other applicable law, the requesting firm must complete an Affidavit of Trade Secret Confidentiality, signed by an officer of the company, and submit the affidavit with the information classified as "Trade Secret" with other proposed documents. The affidavit must reference the applicable law or laws under which trade secret status is to be granted.

E. USE OF COUNTY LOGO

Pursuant to, and consistent with, County Ordinance 92-2 and County Administrative Policy 101.3, the Respondent may not manufacture, use, display, or otherwise use any facsimile or reproduction of the County Seal/Logo without express written approval of the Board of County Commissioners of St. Johns County, Florida.

F. PUBLIC RECORDS

1. The cost of reproduction, access to, disclosure, non-disclosure, or exemption of records, data, documents, and/or materials, associated with this RFQ shall be subject to the applicable provisions of the Florida Public Records Law (Chapter 119, Florida Statutes), and other applicable State and Federal provisions. Access to such public records, may not be blocked, thwarted, and/or hindered by placing the public records in the possession of a third party, or an unaffiliated party.
2. In accordance with Florida law, to the extent that Respondent's performance under the awarded Contract constitutes an act on behalf of the County, Respondent shall comply with all requirements of Florida's public records law. Specifically, if Respondent is expressly authorized, and acts on behalf of the County under the awarded Contract, Respondent shall:
 - (a) Keep and maintain public records that ordinarily and necessarily would be required by the County in order to perform the Services;
 - (b) Upon request from the County's custodian of public records, provide the County with a copy of the requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost as provided in Chapter 119, Florida Statutes, or as otherwise provided by law;
 - (c) Ensure that public records related to the awarded Contract that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by applicable law for the duration of the awarded Contract and following completion of the awarded Contract if the awarded Consultant does not transfer the records to the County; and
 - (d) Upon completion of the awarded Contract, transfer, at no cost, to the County all public records in possession of the Consultant or keep and maintain public records required by the County to perform the Services.

If the awarded Consultant transfers all public records to the County upon completion of the awarded Contract, the awarded Consultant shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If the awarded Consultant keeps and maintains public records upon completion of the Contract, the Consultant shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to the County, upon request from the County's custodian of public records, in a format that is compatible with the County's information technology systems.

Failure by the Consultant to comply with the requirements of this section shall be grounds for immediate, unilateral termination of the awarded Contract by the County.

IF THE CONSULTANT HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO ITS DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THE AWARDED AGREEMENT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT: 500 San Sebastian View, St. Augustine, FL 32084, (904) 209-0805, publicrecords@sjcfl.us.

G. CONFLICT OF INTEREST

Respondent must certify that they presently have no interest and shall acquire no interest, either directly or indirectly, which would conflict in any manner with the performance of required services as provided herein.

Respondents must certify that no person having any interest shall be employed for the performance of any of the required services as provided herein.

Respondents are required to disclose to the County any and all potential conflicts of interest for any prospective business association, interest or circumstance, the nature of work the Respondent may undertake and request an

opinion from the County, whether such association, interest, or circumstance constitutes a conflict of interest.

Respondent must disclose any contractual or employment relationship with any County officer or employee in the submitted Qualifications. Additionally, Respondents must disclose any ownership interest in the responding firm by a County officer or employee, including elected officials. Failure to disclose such information shall be grounds for disqualification, termination of award, suspension or debarment.

No Respondent, or Key Personnel of a Respondent may participate in more than one (1) response to this RFQ. Participation in multiple responses shall result in the disqualification and removal from consideration all Respondents involved.

H. QUALIFICATION SUBMITTAL INSTRUCTIONS

Respondent must submit one (1) original hard-copy of the Qualifications, and one (1) exact electronic PDF copy of the Qualifications on an unlocked USB Drive. A CD/DVD is not an acceptable alternative to the USB Drive. The hard-copy and USB Drive must be placed in a sealed envelope or container, labeled with the Respondent's full legal name, mailing address, and the solicitation number and title. A mailing label is provided herein to assist with appropriately labeling Respondent's package. The County is not responsible for any Qualifications that are incorrectly labeled and are not delivered to the appropriate location as provided herein.

Qualifications must be submitted on 8 ½"x11" pages, with no less than ½" margins and 11pt font. Sections and sub-sections must be clearly identified. It is highly recommended that Respondents follow the prescribed organization of the submittal, in order to facilitate evaluation.

Submitted Qualifications must include, at a minimum, the following components, including any and all attachments specified herein, as listed below:

Section 1: Qualifications Cover Page and Cover Letter

Respondent shall complete and submit the Qualifications Cover Page, provided herein, and must also provide a 1-2 page cover letter, that must include, but is not limited to the following:

- Full legal company name, including any fictitious name(s), and Company type (i.e. Corporation, Partnership, Joint Venture, etc.);
- Physical street address and mailing address (if different), including any other location(s) which may perform portions of the Services;
- Primary point of contact information (name, title, phone, email), and any secondary or supplemental point(s) of contact information;
- Names and titles of principals, partners, or owners, as applicable;
- Brief statement of company history (date of establishment, number of years in business, number of employees, etc.) and business philosophy; and
- Brief statement regarding the Respondent's interest in this project.

Delegation of Authority

Respondent must provide a signed Delegation of Authority Letter for any representative(s) signing the Qualifications on behalf of the Respondent, who are not principals, owners, partners, etc., for the Respondent. The Delegation of Authority Letter must state the level(s) of authority delegated to each representative, must be on company letterhead, and must be signed by a principal, owner, or partner (as applicable) of the Respondent. The principal, owner, or partner **must** be listed on Sunbiz, or provide official documentation establishing their authority, in order for the County to accept the signature of the Delegation of Authority.

Section 2: Company & Team Qualifications

Respondent must provide documentation to fully demonstrate the qualification, education, and abilities of Key Personnel for the Respondent, as well as any proposed Sub-Contractors that shall be performing Services, if awarded.

The required documentation shall include, at a minimum:

Key Personnel – Identify all Key Personnel proposed to perform Services, if awarded, including the role they are proposed to play for this project.

Licenses/Certifications – Provide any and all current licenses and certifications applicable to this project, held by Respondent and Key Personnel who are proposed to participate in the Services.

List of Proposed Sub-Contractors – Provide any and all Sub-Contractors or Suppliers proposed to perform any aspect of the Services specified herein. Respondent must complete **Attachment “H”**, and must include any and all documentation to demonstrate the qualifications and capabilities of each proposed Sub-Contractor or Supplier, including but not limited to licenses, certifications, and other credentials. All proposed Sub-Contractors or Suppliers are subject to approval by the County. If Respondent does not intend to utilize any Sub-Contractors, Respondent must state as such in the submitted Qualifications.

Project Org Chart – Provide a complete Organization Chart for the Respondent and all Sub-Contractors demonstrating the relationship of resources as it pertains to this project.

Qualification Certification – Complete and submit **Attachment “A”** provided herein.

Claims, Liens, Litigation History – Complete and submit **Attachment “B”** provided herein.

Certificates of Insurance – Submit documentation to demonstrate evidence of current and valid insurance policies in at least the coverage limits as specified herein, or certification from a qualified insurance provider attesting to Respondent’s ability to obtain the required coverages upon award.

Section 3: Related Experience

Respondent must provide a written narrative describing all related experience respondent and proposed Sub-Contractors possesses for projects similar in size and scope as specified herein, that were awarded, completed and/or are in progress within the past ten (10) years. The narrative must include details including, but not limited to: project title, owner/agency, point of contact (name, title, phone, email), project award and completion dates, project cost. The County reserves the right to reach out to any agency to inquire about Respondent’s performance and responsibility of the Respondent, whether or not the agency is included in the list specified in this Section.

Section 4: Approach to Services (Written narrative and/or for graphics, maps, charts, and figures)

Respondent shall provide the firm’s approach to perform the scope of services requested to include collecting research, identifying issues, assessing options and determining design, etc. The proposal will be evaluated on the Contractor’s approach, capabilities, and methods in performing the project services. Each proposal must include a detailed work plan that addresses approach and method of how work on the project will be performed. The objective of the work plan is to demonstrate the firm’s ability to logically plan and complete the project, and the firm’s ability to successfully deliver any periodic progress reports, final reports, and presentations to the County. Firms will be required to provide the following information regarding their proposed approach:

- A brief outline of their project approach with identification of each main step of the process.
- Approach to be taken with working with the St. Johns County.
- Examples of previous projects where a new or innovative approach was taken
- Examples of reports that would typically be made available to St. Johns County (i.e., progress reports, draft plans etc.) as well as frequency of follow up reporting.
- Competitive Advantage: A summary of key elements that differentiate your proposed approach, company, customers, etc., from your competition.
- Solution Advantages: Describe all areas where you believe that your approach is superior to the competition.
- County Advantages: Describe the major benefits that St. Johns County would receive by choosing your firm vs. your competitors.

Section 5: Proposed Schedule

Respondent must provide a proposed schedule, based upon each phase of the project, as specified herein, that Respondent is capable of delivering to the County for this project. Schedule may be submitted on 11"x17" paper.

Section 6: Quality Control Methods

Submit a written narrative and flow chart of the firm’s project management methods to establish, monitor, and track quality control methods including coordination of sub consultants and ability to meet schedules in a timely manner.

Section 7: Administrative Information

Respondent must complete and submit all remaining Attachments, as provided herein, which are not required in a previous section

PART V: EVALUATION AND AWARD

A. DETERMINATION OF RESPONSIVENESS

The SJC Purchasing Division shall review each submitted Qualifications for responsiveness to the requirements provided herein. Any Qualifications that is materially non-responsive to the requirements of this RFQ shall be disqualified and removed from consideration prior to evaluation. Only those responsive Qualifications submitted from responsible Respondents shall be evaluated for consideration of award.

The County reserves the right to waive any minor formality or irregularity in any submitted Qualifications. However, any missing information or documentation that is material to the purpose of the RFQ shall not be waived as a minor formality.

B. EVALUATION OF QUALIFICATIONS

All responsive Qualifications will be evaluated by an Evaluation Committee of no less than three (3) representatives, as determined by the SJC Purchasing Division. Evaluators will review and score the Qualifications individually, with no interaction or communication with any other individual, except any such communication which occurs at the Evaluation Meeting. Evaluators’ scores will be announced at a Public Evaluation Meeting in accordance with Florida Sunshine Law. Evaluation of the responsive Qualifications shall be in accordance with the Evaluation Criteria as provided herein.

Evaluators may consider any evidence available regarding financial, technical, other qualifications and abilities of Respondent, including past performance (experience) with the County prior to recommending approval of award to the St. Johns County Board of County Commissioners.

C. EVALUATION CRITERIA AND SCORING

The County will evaluate and rank Respondents from highest to lowest based upon the specific evaluation criteria and point scores listed below.

<u>Evaluation Criteria:</u>	<u>Maximum Possible Points per Evaluator:</u>
1. Company & Staff Qualifications	25
2. Related Experience	25
3. Approach to Services	20
4. Proposed Schedule	20
5. Quality & Schedule Control Methods	10
Total Points Possible per Evaluator:	100
6. Shortlist Interview/Presentation	40
Total Points Possible (Shortlist Firms only):	140

D. SHORTLIST INTERVIEW/PRESENTATIONS

Upon evaluation of submitted Qualifications, the Evaluation Committee shall determine a shortlist of Respondents to participate in interviews/presentations, in accordance with Florida Statute 287.055. The makeup of the interview/presentation shall be provided to the shortlisted Respondents after the initial Evaluation Meeting. The score for interview/presentation shall be added to the score for the Qualifications, to determine a total score and ranking of shortlisted Respondents.

E. NEGOTIATIONS & AWARD

Upon evaluation and final ranking of Qualifications and shortlist interview/presentations, a Notice of Intent will be issued, expressing the County's intent to move forward. The County is under no obligation to award a Contract as a result of this RFQ. Any award of a Contract shall be contingent upon availability of lawfully appropriated funds for this purpose.

It is the intent of the County to enter into negotiations with the top ranked Respondent, provided no documentable justification is provided that would prohibit the County from proceeding with the top ranked Respondent. If the County and the selected Respondent are able to reach an agreement for the required Services, a Contract will be presented to the Board of County Commissioners for approval to execute. If the County and the selected Respondent are unable to reach an agreement, the County shall cease negotiations with the top ranked Respondent and shall initiate negotiations with the next successively ranked Respondent with the intent of coming to an agreement. This process shall continue until such time as an agreement can be reached, or the County, in its sole discretion, determines that moving to a subsequent Respondent in the rankings does not serve the best interest of the County.

D. PROTEST PROCEDURES

Any actual Respondent who is aggrieved in connection with the Notice of Intent to Award a Contract (Protestor), where such grievance is asserted to be the result of a violation of the requirements of the Policy and associated procedures, or any applicable provision of law by the officers, agents, or employees of the County, may file a Protest to the Purchasing Director. Protestor shall submit the Protest in writing, accompanied by a security in the form of a Protest Bond, by 4:00PM on the fifth business day following the date of the posting of the Notice of Intent to Award.

PART VI: CONTRACT REQUIREMENTS

A. CONTRACT AGREEMENT & TERM

The County intends to negotiate and award a Professional Services Agreement, on a form provided by the County, for completion of the project, in accordance with this RFQ Document, and as negotiated with the selected Respondent. The Term of the awarded Contract shall be determined upon negotiation and approval by both parties.

In the event a Contract is attached to this RFQ, such attached Contract is for discussion purposes only, and not necessarily reflective of any Contract that may be ultimately entered into by the County. In the event that a Contract is not attached to this RFQ, it is expressly understood that the County's preference/selection of any Respondent or submitted Qualifications does not constitute an award of a Contract with the County. It is anticipated that subsequent to the County's preference/selection of any Respondent, negotiations will follow between the County and the selected Respondent. It is further expressly understood that no contractual relationship exists with the County until a Contract has been executed by both the County and the selected Respondent. The County reserves the right to delete, add to, or otherwise modify one or more components of the selected Respondent's Qualifications and any subsequent proposal(s) in order to accommodate changed or evolving circumstances that the County may have encountered since the issuance of this RFQ.

Any contract(s) awarded as a result of this RFQ shall be non-exclusive. The County reserves the right to: (1) enter into contracts with firms for some or all of the services, and (2) to subsequently solicit Qualifications and/or negotiate contracts, for services, as needed, in order to serve the best interest of the County. All such actions shall be at the sole discretion of the County.

B. PERFORMANCE

At any point in time during the term of the Contract with the awarded Consultant, County Staff may review records of performance to ensure that the Respondent is continuing to provide sufficient financial support, equipment, quality of workmanship, and organization as prescribed herein. The County may place said contract on probationary status and implement termination procedures if the County determines that the awarded Consultant no longer possesses the financial support, equipment, quality of workmanship, and organization which would have been necessary during the RFQ evaluation period in order to comply with this demonstration of competency section.

C. TERMINATION

Failure on the part of the awarded Consultant to comply with any portion of the duties and obligations under the awarded Contract shall be cause for termination. If the awarded Consultant fails to perform any aspect of the responsibilities described herein, St. Johns County shall provide written notification, and opportunity to cure the default, in accordance with the Contract Documents. In the event the awarded Consultant fails to cure the default, or comply with the requirements of the Contract Documents, the County shall issue termination notice in accordance with the Contract Documents, and shall seek any and all remedies legally available to mitigate damages incurred by the County.

D. FORCE MAJEURE

If awarded a Contract on the basis of the submitted Qualifications and any subsequent proposals, the awarded Respondent pledges to perform the specified Services barring any delays due to force majeure events which are not reasonably foreseeable and beyond the control of both the awarded Consultant and the County, including acts of war, terrorist attacks, labor strikes, floods, earthquakes, epidemics, pandemics, riots, natural disasters, and other acts of God.

E. GOVERNING LAWS & REGULATIONS

It shall be the responsibility of the awarded Consultant to be familiar and comply with any and all federal, state, and local laws, ordinances, rules and regulations as provided herein and any others that are relevant and applicable to the services to be performed, under the awarded Contract. The Contract shall be governed by the laws of the State of Florida and the County both as to interpretation and to performance.

F. COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT

The awarded Consultant warrants that the product/s or services supplied to St. Johns County shall conform in all respects to the standards set forth in the Occupational Safety and Health Act (OSHA) of 1970 as amended and the failure to comply will be considered a breach of contract. St. Johns County shall be held harmless against any unsafe conditions and contractor employee incidents.

The awarded Consultant further certifies that if the material, equipment, service, etc., delivered or provided is subsequently found to be deficient in any OSHA requirement in effect on date of delivery or service fulfillment date, all costs necessary to bring the material, equipment, service, etc., into compliance with the aforementioned requirements shall be borne by the awarded Consultant. All Personal Protective Equipment used by the awarded Consultant, their employees, as well as personnel supplied by any sub consultants and subcontractors shall be ANSI certified and meet OSHA standards.

G. LICENSES, PERMITS, FEES

The awarded Consultant shall be responsible for obtaining and holding any and all necessary licenses, permits, certifications required to perform the Services described herein throughout the duration of the Contract. Payment of any fees or fines resulting in the lack of permits, licenses or certifications shall be the sole responsibility of the awarded Consultant.

H. INSURANCE REQUIREMENTS

The awarded Consultant shall not commence work under the awarded Contract until Consultant provides proof of all insurance required under this section and such insurance has been approved by the County. All insurance policies shall be issued by companies authorized to do business under the laws of the State of Florida. The awarded Consultant shall

furnish proof of Insurance to the County prior to the commencement of operations. The Certificate(s) shall clearly indicate the awarded Consultant has obtained insurance of the type, amount, and classification as required by contract and that no material change or cancellation of the insurance shall be effective without thirty (30) days prior written notice to the County. Certificates shall specifically include the County as Additional Insured for all lines of coverage except Workers' Compensation and Professional Liability. A copy of the endorsement must accompany the certificate. Compliance with the foregoing requirements shall not relieve the awarded Consultant of its liability and obligations under the awarded Contract.

Certificate Holder Address: St. Johns County, a political subdivision of the State of Florida
500 San Sebastian View
St. Augustine, FL 32084

The awarded Consultant shall maintain during the life of this Contract, Comprehensive General Liability Insurance with minimum limits of \$1,000,000 per occurrence, \$2,000,000 aggregate to protect the awarded Consultant from claims for damages for bodily injury, including wrongful death, as well as from claims of property damages which may arise from any operations under the awarded Contract, whether such operations be by the awarded Consultant or by anyone directly employed by or contracting with the awarded Consultant.

The awarded Consultant shall maintain during the life of the contract, Professional Liability or Errors and Omissions Insurance with minimum limits of \$1,000,000, if applicable.

The awarded Consultant shall maintain during the life of the awarded Contract, Comprehensive Automobile Liability Insurance with minimum limits of \$1,000,000 combined single limit for bodily injury and property damage liability to protect the awarded Consultant from claims for damages for bodily injury, including the ownership, use, or maintenance of owned and non-owned automobiles, including rented/hired automobiles whether such operations be by the awarded Consultant or by anyone directly or indirectly employed by the awarded Consultant.

The awarded Consultant shall maintain during the life of the awarded Contract, Umbrella or Excess Liability Insurance covering workers compensation, commercial general liability and business auto liability with minimum limits of liability of \$1,000,000.

The awarded Consultant shall maintain during the life of the awarded Contract, adequate Workers' Compensation Insurance in at least such amounts as are required by the law for all of its per Florida Statute 440.02.

In the event of unusual circumstances, the County Administrator, or his designee, may adjust these insurance requirements.

I. INDEMNIFICATION

Consultant shall indemnify and hold harmless the County and its officers and employees ("Indemnified Party"), from liabilities, damages, losses and costs, including, but not limited to, reasonable attorney's fees, to the extent caused by the negligence, recklessness, or intentionally wrongful conduct of awarded Consultant or other persons employed or utilized by awarded Consultant in the performance of the Contract.

To the extent permitted by, and in accordance with Florida Statute § 725.08, Consultant further agrees that "damages, losses and costs", includes fines, citations, court judgments, insurance claims, restoration costs or other liability, to the extent caused by the negligence, recklessness, or intentionally wrongful conduct of Consultant and persons employed or utilized by awarded Consultant in the performance of the Contract.

To the extent permitted by, and in accordance with Florida Statute § 725.08, for purposes of indemnity, the "persons employed or utilized by awarded Consultant" shall be construed to include, but not be limited to, Consultant, its staff, employees, sub-contractors, all deliverers, suppliers, furnishers of materials or services or anyone acting for, on behalf of, or at the request of Consultant.

This indemnification will not be valid in the instance where the loss is caused by the negligence, or willful, wanton or intentional misconduct of any Indemnified Party.

PART VII: – ATTACHMENTS

The required Attachments that Respondents must complete, sign, have notarized and include as part of their submitted Qualifications are provided herein on the following pages. The instructions provided above in Part III specify in which sections of the submitted Qualifications the required Attachments must be included.

**RFQ NO. 1712R FEMA Category G - South Ponte Vedra Beach Dune Restoration Project Development, Design, Permitting,
and Construction Administration**

COVER PAGE

**SUBMIT ONE (1) ORIGINAL HARD-COPY AND ONE (1) EXACT ELECTRONIC PDF COPY ON A USB DRIVE IN A SEALED
ENVELOPE OR CONTAINER TO:**

PURCHASING DIVISION
ST. JOHNS COUNTY, FL
500 SAN SEBASTIAN VIEW
ST. AUGUSTINE, FLORIDA 32084

FULL LEGAL NAME OF RESPONDENT: _____

MAILING ADDRESS: _____

POINT OF CONTACT NAME & TITLE: _____

POC EMAIL ADDRESS: _____

POC PHONE NUMBER: _____

DATE OF SUBMITTAL: _____

RFQ NO. 1712R FEMA Category G - South Ponte Vedra Beach Dune Restoration Project Development, Design, Permitting, and Construction Administration

ATTACHMENT A
QUALIFICATION CERTIFICATION

The Undersigned presents this Qualification Submittal to be considered as a Qualified Engineering Firm for RFQ NO. 1712R FEMA Category G - South Ponte Vedra Beach Dune Restoration Project Development, Design, Permitting, and Construction Administration

A copy of the license(s) under which our firm is engaged in the business of contracting in the state of Florida is attached. This license was issued in accordance with provisions of Section 489.113, or 471.023 Florida Statutes, and is currently valid and in force.

It is further understood that qualification, if given, shall be valid for the purpose of responding to the above solicitation, unless suspended or terminated by St. Johns County.

The Undersigned authorizes and requests any public official, engineer, architect, Surety Company, bank depository, material or equipment manufacture or distributor or any person, firm or corporation to furnish all information requested by St. Johns County, to verify statements given with this Qualification Submittal.

The Undersigned further authorizes the St. Johns County, FL designee to disclose, without any liability whatsoever, any and all information contained in the Qualification Submittal.

The Undersigned has not been disqualified by any public agency in Florida except as indicated below. (If none, insert: "N/A")

(Full Legal Company Name)

This ____ day of _____, 20 ____

Attest:

APPROVED:

By: _____
Name and Title of Officer

By: _____
Name and Title of Authorized Officer

Sworn to (or affirmed) and subscribed before me by means of physical presence or online notarization, this ____ day of _____, 20____, by _____, who is personally known to me or has produced _____ as identification.

Notary Public
My Commission Expires: _____

RFQ NO. 1712R FEMA Category G - South Ponte Vedra Beach Dune Restoration Project Development, Design, Permitting, and Construction Administration

**ATTACHMENT B
CLAIMS, LIENS, LITIGATION HISTORY
(Complete and Submit)**

1. Within the past 7 years, has your organization filed suit or a formal claim against a project owner (as a prime or subcontractor) or been sued by or had a formal claim filed by an owner, subcontractor or supplier resulting from a contract dispute? Yes _____ No _____ If yes, please attach additional sheet(s) to include:

Description of every action Captions of the Litigation or Arbitration

Amount at issue: _____ Name (s) of the attorneys representing all parties:

Amount actually recovered, if any: _____

Name(s) of the project owner(s)/manager(s) to include address and phone number:

2. List all pending litigation and or arbitration.

3. List and explain all litigation and arbitration within the past seven (7) years - pending, resolved, dismissed, etc.

4. Within the past 7 years, please list all Liens, including Federal, State and Local, which have been filed against your Company. List in detail the type of Lien, date, amount and current status of each Lien.

5. Have you ever abandoned a job, been terminated or had a performance/surety bond called to complete a job?

Yes _____ No _____ If yes, please explain in detail:

6. For all claims filed against your company within the past five-(5) years, have all been resolved satisfactorily with final judgment in favor of your company within 90 days of the date the judgment became final? Yes _____ No _____
If no, please explain why? _____

7. List the status of all pending claims currently filed against your company:

Liquidated Damages

1. Has a project owner ever withheld retainage, issued liquidated damages or made a claim against any Performance and Payment Bonds? Yes _____ No _____ If yes, please explain in detail:

(Use additional or supplemental pages as needed)

RFQ NO. 1712R FEMA Category G - South Ponte Vedra Beach Dune Restoration Project Development, Design, Permitting, and Construction Administration

ATTACHMENT C
AFFIDAVIT OF SOLVENCY

STATE OF _____
COUNTY OF _____

PERTAINING TO THE SOLVENCY OF _____, being of lawful age and being duly sworn I, _____, as _____ (ex: CEO, officer, president, duly authorized representative, etc.) hereby certify under penalty of perjury that:

1. I have reviewed and am familiar with the financial status of above stated entity.
2. The above stated entity possesses adequate capital in relation to its business operations or any contemplated or undertaken transaction to timely pay its debts and liabilities (including, but not limited to, unliquidated liabilities, unmatured liabilities and contingent liabilities) as they become absolute and due.
3. The above stated entity has not, nor intends to, incur any debts and/or liabilities beyond its ability to timely pay such debts and/or liabilities as they become due.
4. I fully understand failure to make truthful disclosure of any fact or item of information contained herein may result in denial of the application, revocation of the Certificate of Public Necessity if granted and/or other action authorized by law.

The undersigned has executed this Affidavit of Solvency, in his/her capacity as a duly authorized representative of the above stated entity, and not individually,

DATED this _____ day of _____, 20____.

Signature of Affiant

Printed Name of Affiant

Printed Title of Affiant

Full Legal Name of Respondent

Sworn to (or affirmed) and subscribed before me by means of physical presence or online notarization, this _____ day of _____, 20____, by Affiant, who is personally known to me or has produced _____ as identification.

Notary Public
My Commission Expires: _____

RFQ NO. 1712R FEMA Category G - South Ponte Vedra Beach Dune Restoration Project Development, Design, Permitting, and Construction Administration

**ATTACHMENT D
AFFIDAVIT**

STATE OF _____
COUNTY OF _____

At the time the Qualification is submitted, the Respondent shall attach to his submittal a sworn statement. The sworn statement shall be an affidavit in the following form, executed by an officer of the firm, association or corporation submitting the proposal and shall be sworn to before a person who is authorized by law to administer oaths.

Before me, the undersigned authority, _____ ("Affiant") who, being duly sworn, deposes and says he/she is _____ (Title) of _____ (Respondent) the respondent submitting the attached proposal for the services covered by the RFQ documents for **RFQ NO. 1712R FEMA Category G - South Ponte Vedra Beach Dune Restoration Project Development, Design, Permitting, and Construction Administration**

The affiant further states that no more than one proposal for the above referenced project will be submitted from the individual, his firm or corporation under the same or different name and that such respondent has no financial interest in the firm of another respondent for the same work, that neither he, his firm, association nor corporation has either directly or indirectly entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with this firm's proposal on the above described project. Furthermore, neither the firm nor any of its officers are debarred from participating in public contract lettings in any other state.

DATED this _____ day of _____, 20____.

Signature of Affiant

Printed Name of Affiant

Printed Title of Affiant

Full Legal Name of Respondent

Sworn to (or affirmed) and subscribed before me by means of physical presence or online notarization, this _____ day of _____, 20____, by Affiant, who is personally known to me or has produced _____ as identification.

Notary Public
My Commission Expires: _____

RFQ NO. 1712R FEMA Category G - South Ponte Vedra Beach Dune Restoration Project Development, Design, Permitting, and Construction Administration

**ATTACHMENT E
CONFLICT OF INTEREST DISCLOSURE FORM**

Project (RFQ) Number/Description: **RFQ NO. 1712R FEMA Category G - South Ponte Vedra Beach Dune Restoration Project Development, Design, Permitting, and Construction Administration**

The term "conflict of interest" refers to situations in which financial or other considerations may adversely affect, or have the appearance of adversely affecting a Respondent's professional judgment in completing work for the benefit of St. Johns County ("County"). The bias such conflicts could conceivably impart may inappropriately affect the goals, processes, methods of analysis or outcomes desired by the County.

Respondents are expected to safeguard their ability to make objective, fair, and impartial decisions when performing work for the benefit of the County. Respondent's, therefore must avoid situations in which financial or other considerations may adversely affect, or have the appearance of adversely affecting the Respondent's professional judgement when completing work for the benefit of the County.

The mere appearance of a conflict may be as serious and potentially damaging as an actual distortion of goals, processes, and methods of analysis or outcomes. Reports of conflicts based upon appearances can undermine public trust in ways that may not be adequately restored even when the mitigating facts of a situation are brought to light. Apparent conflicts, therefore, should be disclosed and evaluated with the same vigor as actual conflicts.

It is expressly understood that failure to disclose conflicts of interest as described herein may result in immediate disqualification from evaluation or immediate termination from work for the County.

Please check the appropriate statement:

- I hereby attest that the undersigned Respondent has no actual or potential conflict of interest due to any other clients, contracts, or property interests for completing work on the above referenced project.
- The undersigned Respondent, by attachment to this form, submits information which may be a potential conflict of interest due to other clients, contracts or property interests for completing work on the above referenced project.

Legal Name of Respondent: _____

Authorized Representative(s): _____

Signature

Print Name/Title

Signature

Print Name/Title

RFQ NO. 1712R FEMA Category G - South Ponte Vedra Beach Dune Restoration Project Development, Design, Permitting, and Construction Administration

**ATTACHMENT F
DRUG-FREE WORKPLACE FORM**

The undersigned firm, in accordance with Florida Statute 287.087 hereby certifies that

_____ does:

Name of Firm

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 danger of drug abuse in the workplace, the business' policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, employee assistance programs and the penalties that may be imposed upon employees for drug abuse violations.
3. Give each employee engaged in providing the contractual services that are described in St. Johns County's Request for Qualification to provide bond underwriter services a copy of the statement specified in paragraph 1.
4. In the statement specified in paragraph 1, notify the employees that, as a condition of working on the contractual services described in paragraph 3, 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 Florida Statute 893, as amended, or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than three (3) days after such conviction or plea.
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. Consistent with applicable provisions with State or Federal law, rule, or regulation, make a good faith effort to continue to maintain a drug-free workplace through implementation of paragraphs 1 through 5.

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

Signature

Date

RFQ NO. 1712R FEMA Category G - South Ponte Vedra Beach Dune Restoration Project Development, Design, Permitting, and Construction Administration

**ATTACHMENT G
E-VERIFY AFFIDAVIT**

STATE OF _____

COUNTY OF _____

I, _____ (hereinafter "Affiant"), being duly authorized by and on behalf of _____ (hereinafter "Respondent") hereby swears or affirms as follows:

1. Respondent understands that E-Verify, authorized by Illegal Immigration Reform and Immigrant Responsibility Act of 1996 (IIRIRA), is a web-based system provided by the United States Department of Homeland Security, through which employers electronically confirm the employment eligibility of their employees.
2. For the duration of RFQ No. 1581 (hereinafter "Agreement"), in accordance with section 448.095, F.S., Respondent shall utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the Respondent and shall expressly require any subcontractors performing work or providing services pursuant to the Agreement to likewise utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the subcontractor.
3. Respondent shall comply with all applicable provisions of section 448.095, F.S., and will incorporate in all subcontracts the obligation to comply with section 448.095, F.S.
4. Respondent understands and agrees that its failure to comply with all applicable provisions of section 448.095, F.S. or its failure to ensure that all employees and subcontractors performing work under the Agreement are legally authorized to work in the United States and the State of Florida constitute a breach of the Agreement for which St. Johns County may immediately terminate the Agreement without notice and without penalty. The Respondent further understands and agrees that in the event of such termination, Respondent shall be liable to the St. Johns County for any costs incurred by the St. Johns County resulting from Respondent's breach.

DATED this _____ day of _____, 20____.

Signature of Affiant

Printed Name & Title of Affiant

Full Legal Name of Respondent

Sworn to (or affirmed) and subscribed before me by means of physical presence or online notarization, this _____ day of _____, 20____, by Affiant, who is personally known to me or has produced _____ as identification.

Notary Public
My Commission Expires: _____

RFQ NO. 1712R FEMA Category G - South Ponte Vedra Beach Dune Restoration Project Development, Design, Permitting, and Construction Administration

ATTACHMENT I
SWORN STATEMENT UNDER SECTION 287.133(3)(A), FLORIDA STATUTES ON PUBLIC ENTITY CRIMES

I, _____ ("Affiant"), being duly authorized by and on behalf of _____ ("Respondent") hereby swears or affirms as follows:

- 1. The principal business address of Respondent is: _____
2. I am duly authorized as _____ (Title) of Respondent.
3. I understand that a public entity crime as defined in Section 287.133 of the Florida Statutes includes a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity in Florida or with an agency or political subdivision of any other state or with the United States, including, but not limited to, any bid, proposal, reply, or contract for goods or services, any lease for real property, or any contract for the construction or repair of a public building or public work, involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, or material misrepresentation.
4. I understand that "convicted" or "conviction" is defined in Section 287.133 of the Florida Statutes to mean a finding of guilt or a conviction of a public entity crime, with or without an adjudication of guilt, in any federal or state trial court of record relating to charges brought by indictment or information after July 1, 1989, as a result of a jury verdict, non-jury trial, or entry of a plea of guilt or nolo contendere.
5. I understand that "affiliate" is defined in Section 287.133 of the Florida Statutes to mean (1) a predecessor or successor of a person or a corporation convicted of a public entity crime, or (2) an entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime, or (3) those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate, or (4) a person or corporation who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months.
6. Neither the Respondent, nor any officer, director, executive, partner, shareholder, employee, member or agent who is active in the management of the Offeror or contractor, nor any affiliate of the Offeror or contractor has been convicted of a public entity crime subsequent to July 1, 1989. (Draw a line through paragraph 6 if paragraph 7 below applies.)
7. There has been a conviction of a public entity crime by the Respondent, or an officer, director, executive, partner, shareholder, employee, member or agent of the Respondent who is active in the management of the Respondent or an affiliate of the Respondent. A determination has been made pursuant to Section 287.133(3) by order of the Division of Administrative Hearings that it is not in the public interest for the name of the convicted person or affiliate to appear on the convicted vendor list. The name of the convicted person or affiliate is _____. A copy of the order of the Division of Administrative Hearings is attached to this statement. (Draw a line through paragraph 7 if paragraph 6 above applies.)

Signature of Affiant

Printed Name & Title of Affiant

Full Legal Name of Respondent

Date of Signature

Sworn to (or affirmed) and subscribed before me by means of [] physical presence or [] online notarization, this _____ day of _____, 20____, by Affiant, who is [] personally known to me or [] has produced _____ as identification.

Notary Public

My Commission Expires

RFQ NO. 1712R FEMA Category G - South Ponte Vedra Beach Dune Restoration Project Development, Design, Permitting, and Construction Administration

**ATTACHMENT J
CERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY
AND VOLUNTARY EXCLUSION-PRIMARY COVERED TRANSACTIONS**

The Respondent certifies that, the firm or any person associated therewith in the capacity of owner, partner, director, officer, principal, investigator, project director, manager, auditor, and/or position involving the administration of federal funds:

1. Respondent must have no Active Exclusions listed in www.SAM.gov.
2. are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions, as defined in 49 CFR s29.110(a), by any federal department or agency;
3. have not within a three-year period preceding this certification been convicted of or had a civil judgment rendered against it for: commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a federal, state, or local government transaction or public contract; violation of federal or state antitrust statutes; or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property
4. are not presently indicted for or otherwise criminally or civilly charged by a federal, state, or local governmental entity with commission of any of the offenses enumerated in paragraph (b) of this certification; and
5. have not within a three-year period preceding this certification had one or more federal, state, or local government public transactions terminated for cause or default.

The Respondent certifies that it shall perform a debarment verification on any subcontractor, sub-consultant, material supplier or vendor, that it proposes to contract with to perform any work under this RFQ, and shall not enter into any transaction with any sub-Contractor, material supplier, or vendor who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this project by any federal agency unless authorized by St. Johns County.

Signature of Authorized Principal(s):

NAME (print): _____

SIGNATURE: _____

TITLE: _____

FULL LEGAL NAME OF RESPONDENT: _____

DATE: _____

RFQ NO. 1712R FEMA Category G - South Ponte Vedra Beach Dune Restoration Project Development, Design, Permitting, and Construction Administration

**ATTACHMENT K
BYRD ANTI-LOBBYING COMPLIANCE AND CERTIFICATION REGARDING LOBBYING**

Certification for Contracts, Grants, Loans, and Cooperative Agreements (To be submitted with each bid or offer exceeding \$100,000). The undersigned [Contractor] certifies, to the best of his or her knowledge, that:

1. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
2. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or Current as of 9-26-16 11 cooperative agreement, the undersigned shall complete and submit Standard Form LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.
3. The undersigned shall require that the language of this certification be included in the award documents for all sub-awards at all tiers (including subcontracts, sub-grants, and contracts under grants, loans, and cooperative agreements) and that all sub-recipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31, U.S.C. § 1352 (as amended by the Lobbying Disclosure Act of 1995). Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

The Contractor, _____, certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the Consultant understands and agrees that the provisions of 31 U.S.C. § 3801 et seq., apply to this certification and disclosure, if any.

Signature of Authorized Principal(s):

NAME (print): _____

SIGNATURE: _____

TITLE: _____

FULL LEGAL NAME OF RESPONDENT: _____

DATE: _____

**RFQ NO. 1712R FEMA Category G - South Ponte Vedra Beach Dune Restoration Project Development, Design,
Permitting, and Construction Administration**

**ATTACHMENT L
NON-COLLUSION CERTIFICATION**

St. Johns County requires, as a matter of policy, that any Respondent receiving a contract or award resulting from this Request for Qualification issued by St. Johns County shall make certification as below. Receipt of such certification, under oath, shall be a prerequisite to the award of contract and payment thereof.

I (we) hereby certify that if the contract is awarded to me, our firm, partnership or corporation, that no members of the elected governing body of St. Johns County nor any professional management, administrative official or employee of the County, nor members of his or her immediate family including spouse, parents or children, nor any person representing or purporting to represent any member or members of the elected governing body or other official, has solicited, has received or has been promised, directly or indirectly, any financial benefit including but not limited to a fee, commission, finder's fee, political contribution, goods or services in return for favorable review of any Qualifications submitted in response to this Request for Qualification or in return for execution of a contract for performance or provision of services for which Qualification are herein sought.

DATED this _____ day of _____, 20____.

Signature of Affiant

Printed Name & Title of Affiant

Full Legal Name of Respondent

Sworn to (or affirmed) and subscribed before me by means of physical presence or online notarization, this _____ day of _____, 20__, by Affiant, who is personally known to me or has produced _____ as identification.

Notary Public

My Commission Expires: _____

**RFQ NO. 1712R FEMA Category G - South Ponte Vedra Beach Dune Restoration Project Development, Design,
Permitting, and Construction Administration**

**ATTACHMENT M
EQUAL OPPORTUNITY REPORT STATEMENT**

The Respondent shall complete the following statement by signing this form where indicated. Failure to complete this form may be grounds for rejection of bid:

The awarded Consultant shall comply with Title VI of the Civil Rights Act of 1964, the Civil Rights Restoration Act of 1987 and the Florida Civil Rights Act of 1992, as amended) prohibiting employment discrimination and shall comply with the regulations and guidelines promulgated pursuant to this Act by the Secretary of the Interior and the Heritage Conservation and Recreation Service.

During the performance of this contract, the awarded Consultant, for itself, its assignees and successors in interest ("Consultant") agrees as follows:

- (1) The Consultant will not discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin. The Consultant will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, or national origin. Such action shall include, but not be limited to the following: Employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The Consultant agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.
- (2) The Consultant will, in all solicitations or advertisements for employees placed by or on behalf of the Consultant, state that all qualified applicants will receive considerations for employment without regard to race, color, religion, sex, or national origin.
- (3) The Consultant will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice to be provided advising the said labor union or workers' representatives of the Consultant's commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.
- (4) The Consultant will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.
- (5) The Consultant will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records, and accounts by the administering agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.
- (6) In the event of the Consultant's noncompliance with the nondiscrimination clauses of this contract or with any of the said rules, regulations, or orders, this contract may be canceled, terminated, or suspended in whole or in part and the Consultant may be declared ineligible for further Government contracts or federally assisted construction contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions as may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.
- (7) The Consultant will include the portion of the sentence immediately preceding paragraph (1) and the provisions of paragraphs (1) through (7) in every subcontract or purchase order unless exempted by rules, regulations, or orders of

the Secretary of Labor issued pursuant to section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each sub-Consultant or vendor. The Consultant will take such action with respect to any subcontract or purchase order as the administering agency may direct as a means of enforcing such provisions, including sanctions for noncompliance: Provided, however, That in the event a Consultant becomes involved in, or is threatened with, litigation with a sub-Consultant or vendor as a result of such direction by the administering agency the Consultant may request the United States to enter into such litigation to protect the interests of the United States.

DATED this _____ day of _____, 20____.

Signature of Affiant

Printed Name & Title of Affiant

Full Legal Name of Respondent


Sworn to (or affirmed) and subscribed before me by means of physical presence or online notarization, this _____ day of _____, 20__, by Affiant, who is personally known to me or has produced _____ as identification.

Notary Public

My Commission Expires:_____

**Cut along the outer border and affix this label
to your sealed bid envelope to identify it as a
"Sealed RFQ"**

SEALED RFQ • DO NOT OPEN	
SEALED RFQ NO.:	RFQ 1712R
RFQ TITLE:	FEMA Category G - South Ponte Vedra Beach Dune Restoration Project Development, Design, Permitting, and Construction Administration
DUE DATE/TIME:	By 4:00 PM EST– March 28, 2024
SUBMITTED BY:	Company Name
	Company Address
	Company Address
DELIVER TO:	St. Johns County Purchasing Department 500 San Sebastian View St St. Augustine FL 32084



END OF DOCUMENT