

Supplemental Agreement No. 2021-1

Between

Santa Rosa County

And

Coastal Technology Corporation

For Professional Engineering Services

THIS IS SUPPLEMENTAL AGREEMENT NO. 2021-1 made and entered into this ____th day of March 2021, by and between SANTA ROSA COUNTY hereinafter referred to as COUNTY and Coastal Technology Corporation, a wholly-owned subsidiary of G.E.C., Inc. of Vero Beach, Florida hereinafter referred to as CTC-GEC.

WHEREAS, the COUNTY and CTC-GEC entered into a professional services agreement dated February 24th, 2000; and

WHEREAS, the COUNTY desires CTC-GEC to perform specific services under such agreement; and

WHEREAS, the COUNTY and CTC-GEC desire to reduce to writing their understandings and agreements pertaining to such services,

IT IS, THEREFORE, AGREED as follows:

1. Scope of Work: CTC-GEC shall do, perform and carry out in a satisfactory and proper manner the work set forth in the Scope of Work which is attached hereto and marked as Attachment "A" and hereinafter referred to as "Scope of Work". Prior to the start of the Work and at milestones as may be identified by the COUNTY, CTC-GEC will confer with the COUNTY's representative, to identify those portions of the Work to be performed by County staff.

2. Compensation: Work by CTC-GEC will be provided as "Basic Services" – compensated on the basis of the approved "Hourly Rate Schedule" per Article 5A of our Master Agreement. CTC-GEC shall be paid on the basis established in Attachment "B", provided the compensation under this Supplemental Agreement shall not exceed the sum of \$173,802 without prior authorization of the COUNTY. Such sum shall be the only compensation to which CTC-GEC is entitled under this Supplemental Agreement.

3. Time: The work shall be performed within the Schedule designated in Attachment "B". Time is of the essence in performance of all work under this Supplemental Agreement.

4. Terms and Conditions: All of the terms and conditions contained in the professional services agreement dated February 24, 2000, are incorporated by reference into this Supplemental Agreement. To the extent of any conflict between the terms and conditions of the two agreements, the terms and conditions of this Supplemental Agreement shall govern.

IN WITNESS WHEREOF, the parties hereto have executed these presents this ___th day of March, 2021.

..

BY: _____
Charles "Tem" Fontaine III, P.E.
Vice-President
CTC-GEC

BY: _____
Dave Piech, Chairman
SANTA ROSA COUNTY
Board of County Commissioners

Attest: _____
Clerk of Court

Attachment "A" - **Scope of Work**
Supplemental Agreement 2021-1

General: The Navarre Beach Restoration Project (Project) extends from the eastern limit of the Gulf Islands National Seashore (500 feet east of FDEP reference monument R192) eastward to the Navarre Beach County Park (FDEP reference monument R214) in Santa Rosa County.

The initial construction of the Project took place from March to November, 2006 and included placement of 2.95M cubic yards of sand obtained from an offshore borrow area. In April 2010, the COUNTY completed a partial dune restoration project using 11,881 cubic yards of sand from an upland sand source via a truck haul project to rebuild a portion of the damaged dune in the western portion of the Project. The Feasibility Study and Environmental Assessment, developed before the initial 2006 project, estimated an 8-year re-nourishment interval with re-nourishment expected in 2014. The first major re-nourishment of the Project took place from April to June 2016 and included the placement of 1.31M cubic yards of sand obtained from an offshore borrow area. The Florida Department of Environmental Protection (FDEP) Permit Number 0220096-006-JC requires physical monitoring of the project to document the performance of the project.

The work under this Scope of Work provides for:

- Post-construction monitoring for year five and year seven after construction as required by the FDEP permit;
- FDEP Grant Support; and
- Post-storm monitoring services as may be required.

Services shall be provided by Coastal Tech, a subsidiary of G.E.C., Inc. (CTC-GEC) as supported via sub-contract with Morgan & Eklund, Inc. (M&E) – for survey support.

The following describes the work to be performed under this *Scope of Work*:

Task 1 – Post-Construction Monitoring

The COUNTY will retain a "permitted sea turtle surveyor" to perform sea turtle monitoring as required by Specific Conditions 14 and 29 the FDEP Permit and the USF&WS Biological Opinions associated with the USACE Permit. The COUNTY will address escarpments and beach tilling for three (3) years after construction per Specific Conditions 16, 17, and 18 of the FDEP Permit.

Task 1a – Year 5 (2021) Post Construction Surveys: Per Special Condition 35 of the FDEP Permit, CTC-GEC, via M&E, will perform topographic and bathymetric profile surveys of the beach and offshore area of the Project area in accordance with the approved physical monitoring plan dated October 28, 2013. Profile surveys of the Project area shall include FDEP reference monuments between R-187 (Escambia County) and R-215 (Santa Rosa County) with an additional three (3) intermediate profile surveys which shall be obtained at the general midpoint between each monument from R-208 to R-211 to evaluate changes associated with the Navarre Pier.

Task 1b – Year 5 (2021) Post-Construction Physical Monitoring Report: Per Special Condition 35 of the FDEP Permit, CTC-GEC will prepare and submit an engineering report and the monitoring data to FDEP within 90 days following completion of the Task 1a surveys - in accordance with the approved physical monitoring plan dated October 28, 2013.

Task 1c – Year 7 (2023) Post Construction Surveys: Per Special Condition 35 of the FDEP Permit, CTC-GEC, via M&E, will perform topographic and bathymetric profile surveys of the beach and offshore area of the Project area in accordance with the approved physical monitoring plan dated October 28, 2013 – as described in Task 1a.

Task 1d – Year 7 (2023) Post-Construction - Physical Monitoring Report: Per Special Condition 35 of the FDEP Permit, CTC-GEC will prepare and submit an engineering report and the monitoring data to FDEP within 90 days following completion of the Task 1c surveys - in accordance with the approved physical monitoring plan dated October 28, 2013.

Task 2 – FDEP Grant Support: CTC-GEC will assist COUNTY staff with requesting and negotiating amendments to the FDEP/COUNTY grant agreement to engage (a) remaining funds previously appropriated by the State legislature for the COUNTY, and (b) future appropriations. For FY2022 through FY2024, CTC-GEC will assist the County to prepare and submit to FDEP Project status reports and reimbursement requests. To support Project management and status reports, CTC-GEC will periodically confer with COUNTY staff regarding the condition of the beach, COUNTY actions and expenditures to maintain the Project and expected future actions. CTC-GEC will assist COUNTY staff to prepare Beach Management Funding Assistance Program (BMFAP) applications for three (3) years including applications - to be submitted in late 2021, 2022, and 2023 - to be considered by the Florida Legislature for FY2022 to FY2024. CTC-GEC will review and update the COUNTY's portion of the "FDEP Long Range Beach Erosion Control Budget Plan", for each fiscal year, attend follow-up meetings, and/or confer with FDEP staff to secure favorable ranking for future COUNTY projects CTC-GEC will assist COUNTY staff with review and completion of resulting funding contracts.

In the event of a storm event that may incur significant sand losses in the Project area that may qualify for FEMA's Public Assistance Program: as may be requested by the COUNTY to qualify for and receive FEMA funds, CTC-GEC will assist the COUNTY by (a) providing Project information to FEMA via the COUNTY, and (b) participate in conference calls, and/or meetings.

Task 3 – Post-Storm Assessment: In the event of a significant storm event that impacts the Project, upon written request by the COUNTY, CTC-GEC will:

- via M&E perform topographic and bathymetric profile surveys of the beach and offshore area of the Project fill area for FDEP reference monuments between R-192 and R-215;
- prepare comparative plots of the physical monitoring survey profiles at each R-Monument and post-storm survey profiles
- perform volumetric change analysis using the most recent physical monitoring survey and the post-storm survey data;
- summarize the results of the volume change analysis in a letter report which will identify the volume changes attributable to the significant storm event upon the "engineered beach" within the Project area – as a basis for the COUNTY to file a FEMA claim.

Santa Rosa County Navarre Beach Restoration Project

Attachment "B"

Estimated Fees and Schedule Supplemental Agreement 2021-1

Notice to Proceed
March 25, 2021

January 29, 2021

Start	Finish	Days	Task Description	Principal Engineer	Senior Engineer	Engineer II	ACAD Engineer Tech	Clerical	Total	Direct Costs		Line Total	Task Total	
				\$257	\$185	\$117	\$95	\$59	Fees	Amount	Description	Total	Total	
Task 1 - Post Construction Monitoring														\$84,888
1-Jun-21	31-Jul-21	60	Task 1a – Year 5 (2021) Post Construction Physical Monitoring Surveys	1	4		24	1	\$3,336	\$22,400	M&E - Survey	\$25,736		
31-Jul-21	29-Sep-21	60	Task 1b - Year 5 (2021) Post Construction Physical Monitoring Report	4	20	60	48		\$16,308			\$16,308		
1-Jun-23	31-Jul-23	60	Task 1c – Year 7 (2023) Post Construction Physical Monitoring Surveys	1	4		24	1	\$3,336	\$23,200	M&E - Survey	\$26,536		
31-Jul-23	29-Sep-23	60	Task 1d - Year 7 (2023) Post Construction Physical Monitoring Report	4	20	60	48		\$16,308			\$16,308		
Task 2 - Grant Support														\$50,781
25-Feb-20	1-Sep-23	1284	Assist COUNTY with amendments to FDEP Grant Agreement	4	12				\$3,248			\$3,248		
			DEP Grant quarterly rpts (12 reports for 2021, 2022, and 2023)	8	24				\$6,496			\$6,496		
			Project Management & Consultation	24	60				\$17,268			\$17,268		
			DEP Grant - reimbursement requests (3 requests - for FY2021, FY2022, & FY2023)	6	30			9	\$7,623			\$7,623		
			DEP BMFAP applications (3 applications for FY2022, FY2023, & FY2024)	8	24			4	\$6,732			\$6,732		
As requested by COUNTY			FEMA Public Assistance Program - assist COUNTY as requested by COUNTY	6	40			8	\$9,414			\$9,414		
Task 3 - Post-Storm Assessment														\$38,133
To Be Determined by Occurrence of Storm & COUNTY request	60		Post-Storm Beach Profiles Survey	1	4		18	2	\$2,825	\$19,000	M&E - Survey	\$21,825		
	60		Post Storm Monitoring report	4	20	60	48		\$16,308			\$16,308		
				71	262	180	210	25	748					
				\$18,247	\$48,470	\$21,060	\$19,950	\$1,475	\$109,202	\$64,600		\$173,802	\$173,802	
										\$109,202			\$173,802	