

**AMENDMENT NO. 3
TO AGREEMENT NO. R1902
BETWEEN
FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
AND
SANTA ROSA COUNTY BOARD OF COUNTY COMMISSIONERS**

This Amendment to Agreement No. R1902, as previously amended, (Agreement) is made by and between the Department of Environmental Protection (Department), an agency of the State of Florida, and Santa Rosa County Board of County Commissioners, 6495 Caroline St., Suite G, Milton, FL 32570 (Grantee), on the date last signed below.

WHEREAS, the Department entered into the Agreement with the Grantee to evaluate and design a natural resource-based shoreline protection system to prevent and reduce the impacts of large storm surge events on estuarine processes and to improve the environmental value of the shoreline effective August 5, 2019; and

WHEREAS, the parties wish to amend the Agreement as set forth herein to decrease the awarded grant amount from \$120,000, to \$70,000 to reflect the reduction of tasks and deliverables to be provided; and

WHEREAS, the decrease in funds requires a revised Attachment 3 to properly account for the total budgeted amount.

NOW THEREFORE, the parties agree as follows:

- 1) Attachment 3-A, Revised Grant Work Plan, is hereby deleted in its entirety and replaced with Attachment 3-B, Second Revised Grant Work Plan, as attached to this Amendment and hereby incorporated into the Agreement. All references in the Agreement to Attachment 3-A shall hereinafter refer to Attachment 3-B, Second Revised Grant Work Plan.
- 2) The total amount of funding of the Agreement is decreased to \$70,000.00.
- 3) All other terms and conditions of the Agreement remain in effect. If and to the extent that any inconsistency may appear between the Agreement and this Amendment, the provisions of this Amendment shall control.

The parties agree to the terms and conditions of this Amendment and have duly authorized their respective representatives to sign it on the dates indicated below.

**Santa Rosa County Board of County
Commissioners**

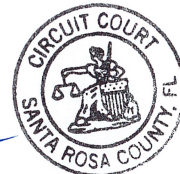
Florida Department of Environmental Protection

By: Don Salter
Title: Don Salter, Chairman

By: _____
Secretary or Designee

Date: Bocc Approved 3/26/2020

Date: _____



ATTEST: [Signature]

LIST OF ATTACHMENTS/EXHIBITS INCLUDED AS PART OF THIS AMENDMENT:

<u>Specify Type</u>	<u>Letter/Number</u>	<u>Description</u>
Attachment	3-B	Second Revised Grant Work Plan (5 pages)

**STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
SECOND REVISED GRANT WORK PLAN
DEP AGREEMENT NO.: R1902**

ATTACHMENT 3-B

Project Title: Floridatown Coastal Resiliency Project

Grantee Contact Information:

Organization Name: Santa Rosa County Board of County Comm.

Authorized Signer for the Organization: Sheila Fitzgerald

Title: Director Grants and Special Programs

Address: 6495 Caroline Street Suite G

City: Milton

Zip Code: 32570

Area Code and Telephone Number: 850-983-2016

E-mail Address: sheilaf@santarosa.fl.gov

Grant Manager Contact Information:

Organization Name: Shelley Alexander

Title: Environmental Projects Coordinator

Address: 6495 Caroline St. Suite G

City: Milton

Zip Code: 32570

Area Code and Telephone Number: 850-981-2018

E-mail Address: shelleya@santarosa.fl.gov

Fiscal Agent Contact Information:

Organization Name: Sheila Fitzgerald

Title: Director Grants and Special Projects

Address: 6495 Caroline St. Suite G

City: Milton

Zip Code: 32570

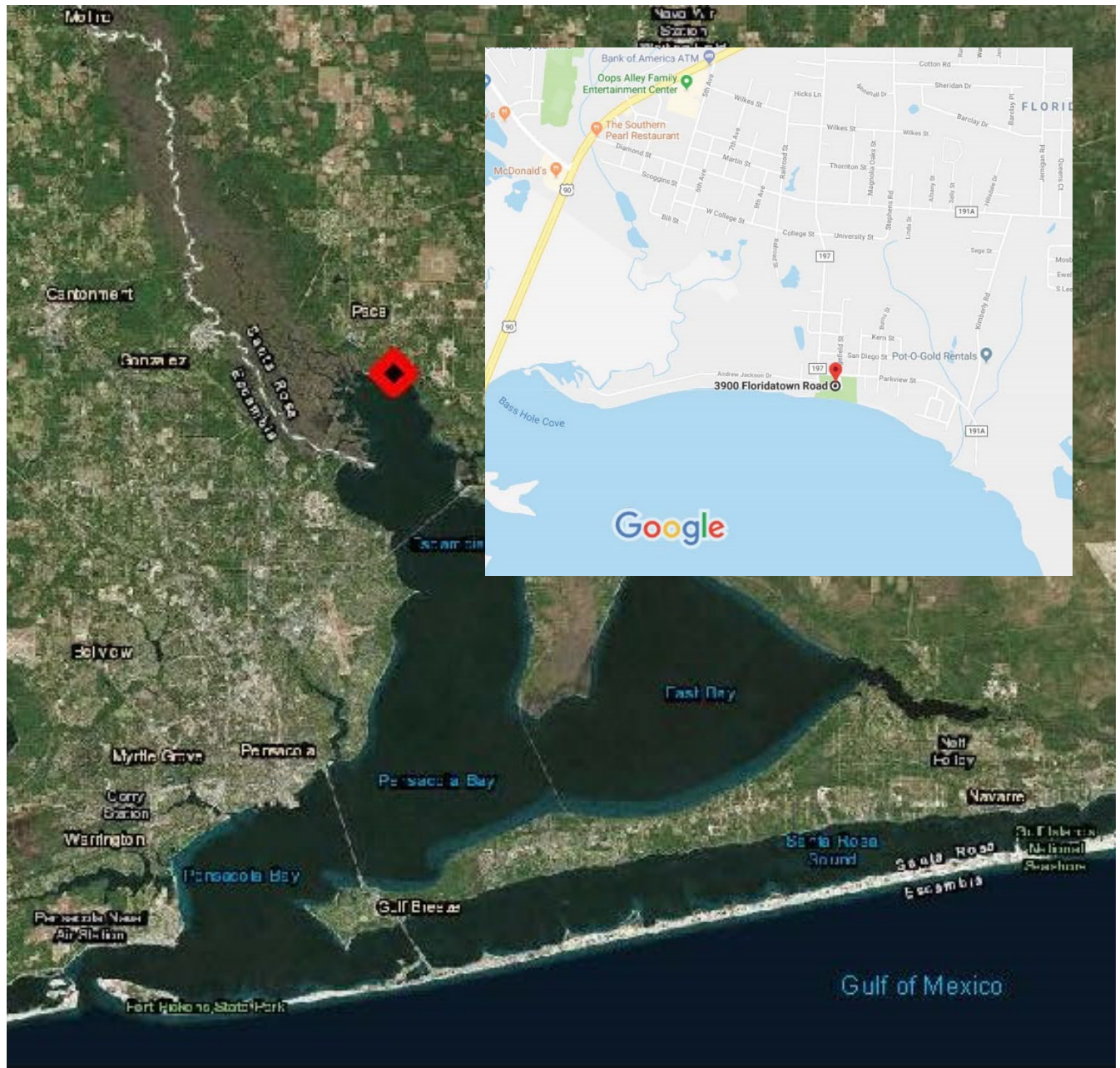
Area Code and Telephone Number: 850-981-2016

E-mail Address: sheilaf@santarosa.fl.gov

FEID No.: 59-6000842

DUNS No.: 077906444

PROJECT LOCATION: Floridatown Park located at 3900 Floridatown Road in the unincorporated area of Pace in Santa Rosa County. The site coordinates are N 30 34' 52.0861" W 87 9' 38.1418".



WORK PLAN

- 1. Project Abstract:** Floridatown Park, owned by Santa Rosa County, provides public boating access facilities and recreational park amenities on Escambia Bay in the Pensacola Bay Estuary Watershed. The parcel of land has approximately 780 feet of linear shoreline that has suffered shoreline erosion from historical hurricane and flood events. As an alternative to armoring the shoreline with traditional methods, this project proposes to develop a coastal model to use for development of a nature-based shoreline protection system to reduce shoreline erosion at Floridatown Park.

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2. **Project Description:** This project includes using a qualified professional to assess coastal processes of the Floridatown Park shoreline to determine which structural design techniques, such as the use of storm-resistant natural resource based native plants, trees and materials, will be suitable for the specific environmental conditions that are occurring and causing the erosion at this location. Professional contractual services will be secured to develop a coastal model to use for development of a nature-based shoreline protection system to reduce shoreline erosion at Floridatown park. Data collection, analysis and modeling tasks will include, but may not be limited to, hydrographic survey, bathymetric and topographic surveys, limited geotechnical evaluations, geomorphic analysis, historical analysis of shoreline changes using aerial maps, historical tide and wind data analysis, and development of hydrodynamic and wave transformation models. From this comprehensive environmental and hydrographic analysis, an existing conditions model showing how current and wave action are currently affecting the shoreline will be produced. At the beginning of the project, Santa Rosa County will hold a public meeting including subject matter experts from living shoreline practitioners representing professional engineers, University of Florida IFAS sea grant extension agent, FLDEP Coastal Office and the Nature Conservancy to provide information on the project including illustrating local living shoreline examples to gain input, direction and concerns for the living shoreline design process. To the extent practical, Santa Rosa County will invite participation from stakeholders including but not limited to the Local Creek Indian Tribe, Pace Historical Society, Floridatown residents and HOA's, Pace area residents and HOA's, local commercial and recreational fisherman, Santa Rosa County Development Services, Engineering and Public Works Staff, Northwest FLDEP Coastal office, Pensacola Bay/Perdido Bay Estuary Program, West Florida Regional Planning Council, University of Florida IFAS Santa Rosa County extension office and the University of West Florida Archaeological Institute.

Surveys, sampling results, data analysis and an existing conditions model will be the outcome for the first phase of this project, and an interim technical memorandum summarizing the results of the existing conditions model will be utilized in the design phase of this project. Santa Rosa County is pursuing Coastal Resiliency grant funding for phase 2 of the project which will utilize the modeling phase data for the development of conceptual shoreline alternatives and to undertake design of the preferred alternative. Following the design and permitting phase, Santa Rosa County will seek funding for construction of the recommended shoreline protection system through the Florida Resilient Coastlines, Coastal Partnership Initiative and other applicable grant programs.

3. **Project Need and Benefit:** The Floridatown Park is located a few miles east of the mouth of the Escambia River just south of unincorporated area of Pace, Florida. According to the US Census, from 2000 to 2010, the Pace CDP population growth percentage was 171.1% (or from 7,393 people to 20,039 people). The fast-paced growth of this community puts tremendous pressure on the natural resources. Due to historical recurrences of massive storm surge and flooding this coastal property in Santa Rosa County is being washed away with the normal response in the past being construction of fixed structures such as bulkheads, seawalls, and revetments. Hardening a shoreline can interrupt natural shoreline processes, eliminate nursery habitat for marine species and foraging habitat for wading birds, and degrade water quality. The Floridatown Park parcel also contains an important archaeological site that is in jeopardy of being impacted from this coastal erosion. This project will have a long term continuous positive impact on North Escambia Bay, one of the most stressed areas of the entire Pensacola Bay System, by restoring long-term resiliency of its coastal shoreline natural resources, ecosystems, fisheries, marine and wildlife habitats, recreational, historical and cultural resources. This project meets the purpose of Grant Funding Priority 4 with Santa Rosa County trying to build public support for coastal resiliency planning using a natural resource-based shoreline management and erosion control approach. This project is ranked high in the Santa Rosa County Local Mitigation Initiatives List, to protect the Floridatown Park area from recurring historical storm surges.

It will provide the county a framework process using public input and professional coastal assessment services for the planning of natural resource-based shoreline management and erosion control for individual sites along all its storm surge vulnerable sheltered shoreline properties, natural resources and amenities used by the public. The project will be completed in one year and will assess the coastal processes of the shoreline by a professional coastal engineer who will collect data, analyze and undertake existing conditions modeling efforts. The outcome of this effort will be an existing conditions model showing how currents and wave action are currently affecting the shoreline. This information and model will be the precursor for conceptual design, public input, final design, permitting and construction and as a successful project for other future Santa Rosa County natural shoreline protection projects. This information will also be considered in future revisions to the Santa Rosa County's Land Development Code and Comprehensive Plan Coastal Management Element for coastal resiliency planning and development.

4. **Budget Summary:** Allowable budget categories and costs for this project are listed in the table below.

FIXED PRICE	Grant Amount Awarded
AGREEMENT TOTAL	\$70,000

5. **Project Timeline:** All tasks are to be completed and submitted no later than the Deliverable due date listed in the table below. Request for any change must be submitted prior to the current deliverable due date listed in the project timeline. Request are to be sent via separate email to the Department's Grant Manager, with the details of the request being made and the reason for the request.

PROJECT TIMELINE

Task No.	Task Title	Deliverable Due Date	Funding Amount
1	Initial public Meeting to inform residents and interested stakeholders regarding the project and to provide education regarding natural shoreline protection alternatives.	03/30/2020	\$3,000
2	Environmental assessment of the Floridatown Shoreline - Data Collection & Analysis (surveys, results and profile data)	04/30/2020	\$47,000
3	Development of coastal model showing how currents and wave action are currently affecting the shoreline – Modeling efforts	05/30/2020	\$20,000
Total			\$70,000

6. **Performance Measure:** The Department's Grant Manager will review the deliverables to verify that they meet the specifications in the Grant Work Plan and this task description, to include any work being performed by any sub-contractor(s). Upon review and written acceptance by the Department's Grant Manager of all deliverables under this task, the Grantee may proceed with payment request submittal. All deliverable documents must be provided in an electronic downloadable format.
7. The Department will reduce each Task Funding Amount by 5% for every day that the Deliverable(s) is not received on the specified due date in the most recent Project Timeline, for the Agreement. Should a Change Order or Amendment be requested on the date of or after the most current Deliverable Due Date, the 5% reduction of that Task Funding Amount will be imposed until the date of the requested change is received, via email by the Department.
8. **Payment Request Schedule:** Grantee may submit a request for the Task Funding Amount to be paid using the Exhibit C, after all Deliverables for that Task have been approved by the Department.

Attachment 3-B, DEP Agreement #: R1902

Request(s) for payment must include the Exhibit A showing 100% completion of that Task and must be submitted within 45 days of the Deliverable Due Date.

Or

Grantee may submit one request for the Grant Amount Awarded, by using the Exhibit C, after the project is 100% completed. The request for the Grant Amount Awarded, must include an Exhibit A showing 100% completion for all Tasks, and must be submitted within 45 days of the Deliverable Due Date.

TASKS & DELIVERABLES

Task #1

- a) **Title:** Initial public Meeting to inform residents and interested stakeholders regarding the project and to provide education regarding natural shoreline protection alternatives.
- b) **Description:** Santa Rosa County will hold a public meeting including subject matter experts from living shoreline practitioners representing professional engineers, University of Florida IFAS sea grant extension agent, FLDEP Coastal Office and the Nature Conservancy to provide information on the project including illustrating local living shoreline examples to gain input, direction and concerns for the living shoreline design process. Nearby residents, interested stakeholders and project partners will be invited to attend to learn about the project and to receive educational information regarding local natural shoreline protection projects.
- c) **Deliverable:** Documentation from the workshop to include meeting notice, press release and/or invitations, list of invited stakeholders and residents, sign-in sheets, meeting materials such as copies of presentations and a summary of any public feedback received

Task #2

- a) **Title:** Environmental Assessment of the Floridatown Shoreline - Data Collection and Analysis
- b) **Description:** Data collection, analysis and modeling tasks will include, but may not be limited to, hydrographic survey bathymetric and topographic surveys, limited geotechnical evaluations, geomorphic analysis, historical analysis of shoreline changes using aerial maps, historical tide and wind data analysis.
- c) **Deliverable:** Topographic and bathymetric survey, geotechnical sampling results, and acoustic doppler and current profile data.

Task #3

- a) **Title:** Development of coastal model showing how currents and wave action are currently affecting the shoreline – Modeling efforts
- b) **Description:** The data that was collected and analyzed will be developed into an existing conditions model to gain an understanding of the magnitude and direction of waves and currents at the Floridatown Park shoreline.

Deliverable: An interim technical memorandum will be prepared by the coastal engineer and provided to the county in PDF format which summarizes the results of the existing conditions model.