

**STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
GRANT WORK PLAN
DEP AGREEMENT NO.: R1934**

ATTACHMENT 3

I. TITLE PAGE

1. PROJECT TITLE: Alligator Point Coastal Resilience Study: Vulnerability Assessment and Alternatives Analysis

2. GRANTEE Contact Information:

Organization Name: Franklin County Board of Commissioners

Name of Authorized Signer: Noah Lockley, Jr.

Title: Chairman

Address: 33 Market St. Suite 203

City: Apalachicola

Zip Code: 32320

Area Code and Telephone Number: 850-653-9783, ext. 100

E-mail Address: noah@franklincountyflorida.com

3. GRANT MANAGER Contact Information:

Organization Name: Franklin County Board of Commissioners

Name: Michael Moron

Title: County Coordinator

Address: 33 Forbes St. Suite 1

City: Apalachicola

Zip Code: 32320

Area Code and Telephone Number: 850-653-5373

E-mail Address: Michael@franklincountyflorida.com

4. FISCAL AGENT Contact Information:

Organization Name: Franklin County Board of Commissioners

Name: Erin Griffith

Title: Finance Officer

Address: 33 Market St., Suite 203

City: Apalachicola

Zip Code: 32320

Area Code and Telephone Number: 850-653-8861, ext. 172

E-mail Address: egriffith@franklinclerk.com

5. FEID No. (a.k.a. Tax ID#): 59-6000612 042

6. WORK PERFORMED BY: (Select only one)

 Grantee ONLY
 X Subcontractor ONLY
 BOTH the Grantee & Sub-Contractor
 To Be Determined

7. SUBCONTRACTORS CONTACT INFORMATION: *(If applicable & known)*

Organization Name: Apalachee Regional Planning Council

Name: Josh Adams

Title: Planner

Address: 2507 Callaway Road Suite 200

City: Tallahassee

Zip Code: 32303

Area Code and Telephone Number: (850)488-6211

E-mail Address: jadams@thearpc.com

8. PROJECT LOCATION:

A. List of County(ies): Franklin County

B. List of City(ies)/Town(s)/Village(s): Alligator Point

C. State Lands Lease Agreement Number(s): N/A

Provide lease agreement number(s) for any work that will be performed on State Lands. If work will not be on any state lands, please indicate N/A.

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II. WORK PLAN

- 9. PROJECT SUMMARY:** Franklin County proposes to conduct a coastal resilience study that will identify and recommend alternatives to mitigate against sea level rise, erosion, and flooding in order to reduce associated impacts to residents, infrastructure, and natural habitat of Alligator Point, Florida, particularly in the areas where Alligator Point Road has been damaged by recent storms.

10. PROJECT DESCRIPTION:

The proposed project consists of a vulnerability study and resilient alternatives analysis to establish informed, viable strategies to address recurring damage to Alligator Drive, as a result of storm activity and sea-level rise (SLR).

As outlined in the attached budget, we are proposing to utilize an award of \$59,920. \$36,323 will be from FDEP and \$23,597 from NGMSSC.

Steps involved will include evaluating shoreline dynamics; alternative development and evaluation; and regulatory, policy, community, and resource partner input.

This study will help leverage and open available state and federal funding by providing the groundwork for an evidence-based assessment and alternatives analysis. As part of the post-Hurricane Michael long-term Integrated Recovery Coordination (IRC) effort between FEMA and other federal agencies, the Florida Division of Emergency Management (FDEM) may also providing staff and technical support to the community, as well as assistance in identifying and pursuing funding opportunities. To date, members of FEMA, USDA, USDOJ, USACE, HUD, EPA, FDEM and other agencies have come together in a collaborative effort to enact a long-term resilience strategy for Alligator Point.

11. PROJECT NEED AND BENEFIT:

a. Explain the demonstrated need, which the project addresses.

The Alligator Point community has endured repetitive flooding, erosion, storm surge and other impacts caused or exacerbated by sea-level rise (SLR) for several decades. As a result, this community of more than 400 homes continues to experience annual population retreat and outmigration, damage to critical infrastructure, property, and natural habitat; threats to coastal water supply; and overall risk to human health and safety.

The entirety of Alligator Point is located within the Special Flood Hazard Area, in flood zones VE and AE. As a barrier island along the Gulf of Mexico, the peninsula sits primarily at a low elevation ranging from 1 to 3 feet. The area is comprised of estuarine and marine wetlands in addition to freshwater forested and shrub wetlands. The Alligator Point beach coastline has a 1.1-mile segment designated as critically eroded by the Florida Department of Environmental Protection (FDEP) on the east end of Alligator Point between the Southwest Cape and Lighthouse Point on St. James Island. Much of the peninsula is located below the Coastal Construction Control Line (CCCL) which has historically limited available options for coastal protection and mitigation.

Due to its vulnerable geographic location, as well as a lack of local-level resources, Alligator Point has faced challenges in enacting effective solutions. The unresolved issue has accounted for the loss of 30-35 homes due to erosion (according to local residents), more than \$10 million dollars in repairs dating back to 1985, and an estimated 1 to 3 feet reduction of shoreline due to SLR-induced flooding and erosion. Of the vulnerability/risk factors, one of the most

disabling and persistent issues has been the severe and repetitive damage to Alligator Drive, the sole access and evacuation route for the community. The aggregate force of Hurricanes Hermine (2016) and Michael (2018) and associated flooding and storm surge destroyed several segments of the road and proximate houses, displacing many residents. In addition, the damaged Alligator Point Volunteer Fire Department, which serves as the only emergency facility for the area, has faced access issues preventing timely response due to the post-hurricane road conditions and related damage.

Without a long-term resilience plan substantiated by technical analysis and stakeholder input, Alligator Point remains increasingly vulnerable to SLR and its associated hazards.

b. Explain how the proposed project meets the purpose of one or more of the Goals and Priorities for FRCP.

This project meets Priority Number Three for FRCP. Franklin County proposes to conduct a vulnerability study and an alternatives analysis to determine future flood risks outside the minimum Peril of Flood Requirements, as well as, considering adaptation strategies to these risks.

c. Discuss how the project is feasible and can be completed by the grant period deadline.

This project will maximize existing studies to the extent possible to expedite project completion within the limited timeframe. The full project scope will rely on partnership between FDEP, NGMSSC, and Franklin County to maximize resource sharing and expertise in order to protect the public and vulnerable community assets.

d. Explain how this project is addressing social vulnerability or vulnerability of historic resources or stormwater management systems.

This project addresses social vulnerability by considering socioeconomic factors as part of the Vulnerability Analysis, which will be used to understand the populations, financial assets, ecosystem, and public infrastructure at risk. The study will also identify the presence of any special populations that may require additional consideration in an alternatives evaluation. This and other studies will assist with determining Alligator Point's geographic areas susceptible to flooding, storm surge, and sea-level rise. Among other variables, these determinations will also include review of critical community assets, such as the Water Management District and Volunteer Fire Department. The results will then assist Franklin County with determining social vulnerabilities, such as residents currently affected, residents/stakeholders that will be affected in the future, and community, historic, and ecosystem resources that will be affected.

12. DESCRIPTION OF PROJECT OUTCOMES:

Each deliverable listed for a task are to be specific, measurable, quantifiable and tangible.

13. BUDGET SUMMARY: Allowable budget categories and costs for this project are listed in the table below.

FIXED PRICE	Grant Amount
AGREEMENT TOTAL	\$36,323

- A. Describe how the project costs was determined:** The FDEP funding timeline will require 50%-60% of total project work to be completed by April 2020. The NGMSSC funding timeline will extend through October 2020, when the remainder of project work is to be completed. Project cost shares were determined between the partners, FDEP and NGMSSC.

B. Other Project Funding Sources:

NGMSSC will be providing funds to complete this entire project, that will go into October 2020, in the amount of \$23,597. Funds from NGMSSC will be contributed outside the timeframe of this agreement with DEP.

- 14. 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	Vulnerability Assessment	04/01/2020	\$15,410
2	Stakeholder Engagement Meetings (except Final Presentation to Franklin County Board of County Commissioners [BOCC])	04/30/2020	\$20,913
Total			\$36,323

- 15. PERFORMANCE MEASURES:** 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.
- 16. CONSEQUENCES FOR NON-PERFORMANCE:** 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.
- 17. 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. 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.

III. TASKS & DELIVERABLES

Task #1

- A. Title:** Vulnerability and Assets Assessment
- B. Goal:** Evaluate the full range of vulnerabilities from sea level rise, extreme events and geomorphic evolution. Develop an Adaptive Capacity component that will assist the local community with emergency responses.
- C. Description:** This task will involve the compilation and summarization of existing information relevant to the previous and anticipated erosion of the portions of Alligator Point Road that have washed out in recent years. This includes review of available wave/surge and sea level rise data from online sources, road maintenance and shoreline armoring records from Franklin County, parcel/ownership information, and stakeholder input.
- D. Deliverable(s):** The Grantee will submit all deliverables for each task via **one pdf document** to the Department's Grant Manager on or before the Task/Deliverable Due Date listed in the Project Timeline.
- 1) Summary report of current Vulnerability Assessment/Conservation & Coastal Zone Management Element with recommendations and edits shown via strikethrough/underline changes to include key potential vulnerabilities to natural hazards, and adaptive capacity assets in Alligator Point.
 - 2) Draft of Goals, Objectives, and Policies for adoption into the Comprehensive Plan
 - 3) Timeline for Presentation to the local governing body

Task #2

- A. Title:** Stakeholder Engagement Meetings
- B. Goal:** The goal is to incorporate stakeholder input and participation into the project.
- C. Description:** Develop a plan to determine strategy for engagement of impacted stakeholders (Franklin County BOCC, APSTA, Franklin County residents, advisory committee members), frequency and timeline of public meetings to discuss and develop the project goals and deliverables, and the method of communication/information exchange between Franklin County and stakeholders. This task will involve a series of meetings throughout the project to seek input / feedback from multiple agencies and the general public. Below is a tentative list of meetings, but this list can be adjusted to meet project needs:
- Initial Interagency Meeting – Identify issues and assets
 - Initial Public Meeting - Identify issues and assets
 - Interagency Meeting – Review/discuss proposed top alternatives for analysis
 - Public Presentation at Franklin County BOCC Meeting – Present findings and recommendations
- D. Deliverable(s):** The Grantee will submit all deliverables for each task via **one pdf document** to the Department's Grant Manager on or before the Task/Deliverable Due Date listed in the Project Timeline.
- 1) Agendas for each Stakeholder meeting held
 - 2) Sign-in Sheets for each Stakeholder meeting held
 - 3) Brief summary report from each Stakeholder meeting held
 - 4) Any materials created at each Stakeholder meeting held (as applicable)