



March 21, 2025

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 Nassau County Stormwater &  
 Drainage Management  
 96161 Nassau Place  
 Yulee, FL 32097

**Subject: Enhanced Vulnerability Assessment and Adaptation Plan**

### EXHIBIT A

DRMP, Inc. (DRMP) is pleased to provide Nassau County the following Proposal to perform tasks necessary to complete an enhanced Vulnerability Study and Adaptation Plan in conformance with requirements of Florida Department of Environmental Protection's Resilient Florida program as defined in s. 380.093, F.S.

### PROJECT UNDERSTANDING

Based on communication with the County, the identified tasks are intended to expand the level of detail background data to enhance quality of analysis for exposure and sensitivity of the County's critical assets which will demand a fresh review of the most vulnerable areas of focus for the County. Upon completion of the enhanced Vulnerability Assessment, the County requests support with tasks required to complete a Adaptation Plan (AP). DRMP will support development of the AP through development of actionable projects, plans, and procedures to safeguard infrastructure, homes, businesses, and natural resources.

#### TASK 1 ACQUIRE BACKGROUND DATA (FDEP TASK 5)

The project team, in coordination with Nassau County, will collect enhanced background data, based on the requirements as defined in s. 380.093, F.S., needed to enhance details related to critical significant assets, topography, and flood scenarios that support completion of the Vulnerability Assessments

Deliverables:

1. Technical report to outline the data compiled and findings of the gap analysis
2. summary report to include recommendations to address the identified data gaps and actions taken to rectify them, if applicable; and
3. GIS files with appropriate metadata of the data compiled, to include locations of critical assets owned or maintained by the Grantee as well as regionally significant assets that are classified and as defined in paragraphs 380.093(2)(a)1-4, F.S.

#### Resource Allocation Estimate:

Position	Billing Rate	Hours	Total Billed
2-Person Survey Crew	\$170.00	320.00	\$54,400.00
UAS Technician	\$95.00	80.00	\$7,600.00
UAS Operator	\$155.00	80.00	\$12,400.00
GIS Senior Project Manager	\$185.00	120.00	\$22,200.00
GIS Senior Project Manager	\$185.00	120.00	\$22,200.00
GIS Project Manager	\$140.00	80.00	\$11,200.00
Engineer/Technical Specialist IV	\$205.00	160.00	\$32,800.00
Administrative Department Manager	\$215.00	173.00	\$37,195.00
			\$199,995.00

**Task Lump Sum Fee: \$199,995.00**

#### TASK 2 EXPOSURE ANALYSIS (FDEP TASK 6)

The project team will perform an updated exposure analysis using enhanced data to identify the most accurate depth of water caused by each sea level rise, storm surge, rainfall, and/or compound flood scenario.

Deliverables:



1. Draft VA Report that provides details on the modeling process, type of models utilized, and resulting tables and maps illustrating flood depths for each flood scenario; and
2. GIS files with results of the exposure analysis for each flood scenario as well as the appropriate metadata that identifies the methods used to create the flood layers.

**Resource Allocation Estimate:**

Position	Billing Rate	Hours	Total Billed
GIS Senior Project Manager	\$185.00	94.5	\$17,482.50
			\$17,482.50

**Task Lump Sum Fee: \$17,482.50**

**TASK 3 SENSITIVITY ANALYSIS (FDEP TASK 7)**

The project team will perform an updated sensitivity analysis using enhanced data to measure the impact of flooding on assets, applying the data from the exposure analysis to the inventory of critical assets created in the previous task. The analysis will include an evaluation of the impact of flood severity on each asset type at each flood scenario to include an assigned risk level based on percentages of land area inundated and number of critical assets affected.

**Deliverables**

1. Updated draft VA Report that provides details on the findings of the exposure analysis and the sensitivity analysis and includes visual presentation of the data via maps and tables, based on the statutorily required scenarios and standards; and
2. Initial list of critical and regionally significant assets that are impacted by flooding. The list of critical and regionally significant assets must be prioritized by area or immediate need and must identify which flood scenario(s) impacts each asset.

**Resource Allocation Estimate:**

Position	Billing Rate	Hours	Total Billed
GIS Senior Project Manager	\$185.00	94.5	\$17,482.50
			\$17,482.50

**Task Lump Sum Fee: \$17,482.50**

**TASK 4 IDENTIFY FOCUS AREAS (FDEP TASK 9)**

Based on the results of the second Public Workshop and input from the Steering Committee, the project team will document the identify critical focus areas, following the guidelines in Chapter 2 of the Florida Adaptation Planning Guidebook. The project team will assign focus areas to locations or individual assets or asset classifications that are particularly vulnerable and require the development of adaptation strategies.

**Deliverables**

1. Report summarizing the areas identified as focus areas, with justification for choosing each area
2. Tables listing each focus area with any critical assets that are contained inside the focus area
3. Maps illustrating the location of each focus area compared to the location of all critical assets within the geographic extent of the study; and
4. GIS files and associated metadata illustrating geographic boundaries of the identified focus areas.

**Resource Allocation Estimate:**

Position	Billing Rate	Hours	Total Billed
GIS Senior Project Manager	\$185.00	80.00	\$14,800.00
GIS Senior Project Manager	\$185.00	48.00	\$8,880.00
GIS Project Manager	\$140.00	18.00	\$2,520.00
Engineer/Technical Specialist IV	\$205.00	24.00	\$4,920.00
Administrative Department Manager	\$215.00	64.00	\$13,760.00
			\$44,880.00

**Task Lump Sum Fee: \$44,880.00**



## **TASK 5 FINAL VULNERABILITY ASSESSMENT REPORT, MAPS, AND TABLES (FDEP TASK 10)**

Based upon input from the Steering Committee and Public Outreach efforts, as well as Nassau County, the project team will further develop, refine, and finalize the VA per the guidelines in s. 380.093, F.S., to include the identified focus areas. The final VA will include all results from the enhanced exposure and sensitivity analyses. The project team will provide the VA Compliance Checklist.

### **Deliverables**

1. A report detailing the findings of the assessment.
2. All electronic mapping data used to illustrate flooding and sea level rise impacts identified in the assessment in a format suitable for input to the Department's mapping tool.
3. GIS data that has been incorporated into the appropriate Florida State Plan Coordinate System and suitable for the Department's mapping tool.
4. Metadata using standards prescribed by the Department.
5. A list of critical assets, including regionally significant assets, that are impacted by flooding and sea level rise.

### **Resource Allocation Estimate:**

<b>Position</b>	<b>Billing Rate</b>	<b>Hours</b>	<b>Total Billed</b>
GIS Senior Project Manager	\$185.00	85.00	\$15,725.00
GIS Senior Project Manager	\$185.00	20.00	\$3,700.00
GIS Project Manager	\$140.00	24.00	\$3,360.00
Engineer/Technical Specialist IV	\$205.00	80.00	\$16,400.00
Administrative Department Manager	\$215.00	120.00	\$25,800.00
			\$64,985.00

**Task Lump Sum Fee: \$64,985.00**

## **TASK 6 ADAPTATION KICK-OFF MEETING**

The project team will support Nassau County to organize, facilitate, and lead a kick-off meeting with all relevant stakeholders to complete an Adaptation Plan that addresses the identified focus areas and critical assets.

### **Deliverables**

1. Meeting agenda including location, date, and time of meeting.
2. Meeting sign-in sheets or attendance records with attendee names and affiliations.
3. A copy of the presentation(s) and any materials created for distribution at the meeting.
4. Kick-off meeting minutes documenting all decisions and agreed-upon outcomes.
5. A summary report including attendee input and meeting outcomes.

### **Resource Allocation Estimate:**

<b>Position</b>	<b>Billing Rate</b>	<b>Hours</b>	<b>Total Billed</b>
GIS Senior Project Manager	\$185.00	44.00	\$8,140.00
GIS Senior Project Manager	\$185.00	10.00	\$1,850.00
			\$9,990.00

**Task Lump Sum Fee: \$9,990.00**

## **TASK 7 DRAFT ADAPTATION NEEDS STRATEGY (FDEP TASK 12)**



The project team will use data collected from the Vulnerability Assessment to propose specific strategies and plans that protect critical assets against risks identified in the short and long term.

#### Deliverables

1 A draft Adaptation Plan outlining the adaptation needs and strategies

#### Resource Allocation Estimate:

Position	Billing Rate	Hours	Total Billed
GIS Senior Project Manager	\$185.00	40.00	\$7,400.00
GIS Senior Project Manager	\$185.00	7.00	\$1,295.00
GIS Project Manager	\$140.00	36.00	\$5,040.00
Engineer/Technical Specialist IV	\$205.00	160.00	\$32,800.00
Administrative Department Manager	\$215.00	36.00	\$7,740.00
Chief Engineer II (PE)	\$259.00	80.00	\$20,720.00
			\$74,995.00

Task Lump Sum Fee: \$74,995.00

### TASK 8 FINAL ADAPTATION PLAN (FDEP TASK 14)

The project team will compile all strategies into a final Adaptation Plan

#### Deliverables

1. A final Adaptation Plan, inclusive of all associated documentation, appendices, and supporting materials.

#### Resource Allocation Estimate:

Position	Billing Rate	Hours	Total Billed
GIS Senior Project Manager	\$185.00	24.00	\$4,440.00
GIS Senior Project Manager	\$185.00	10.00	\$1,850.00
GIS Project Manager	\$140.00	8.00	\$1,120.00
Engineer/Technical Specialist IV	\$205.00	140.00	\$28,700.00
Administrative Department Manager	\$215.00	60.00	\$12,900.00
Chief Engineer II (PE)	\$259.00	42.00	\$10,878.00
			\$59,888.00

Task Lump Sum Fee: \$59,880.00

#### Fee:

Task No.	Task Description	Lump Sum Fee
1	Acquire Background Data	\$199,995.00
2	Exposure Analysis	\$17,482.50
3	Sensitivity Analysis	\$17,482.50
4	Identify Focus Areas	\$44,880.00



5	Final Vulnerability Assessment Reports, Maps, and Tables	\$64,985.00
6	Adaptation Kick-Off Meeting	\$9,900.00
7	Draft Adaptation Needs and Strategies	\$74,995.00
8	Final Adaptation Plan	\$59,888.00
		<b>\$489,698.00</b>

**Schedule:**

We anticipate a project schedule of approximately 10 months from issued date of the Notice to Proceed NTP. A detailed schedule will be provided upon NTP.

Sincerely,  
**DRMP, Inc.**

Scott Garth, PE, LEED AP  
CC: Joshua Norman