



**FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION**  
**FY2019/20 Local Government Funding Request**  
**Beach Projects Application**

**PART I: GENERAL INFORMATION**

Local Sponsor: Nassau County BOCC, Acting as the Governing Body of the SAISS MSBU\*

Local Sponsor Federal ID Number (FEID): 59-1863042

Contact Name: Michael S. Mullin

Title: Interim County Manager

Mailing Address Line 1: Nassau County Board of County Commissioners

Mailing Address Line 2: 96135 Nassau Place, Suite 1

City: Yulee Zip: 32097

Telephone: (904) 530-6010

Email Address: mmullin@nassaucountyfl.com

Additional Contact Information: William R. Moore, AICP\*\* (904) 753-4178 Moor1706@bellsouth.net

\*The Nassau County, FL, Board of County Commissioners, Acting as the Governing Body of the South Amelia Island Shore Stabilization Municipal Services Benefit Unit.

\*\*W. Moore: Local Sponsor's Project Manager for Technical Matters.

**PART II: CERTIFICATION**

I hereby certify that all information provided with this application is true and complete to the best of my knowledge.

		Michael S. Mullin
Signature of Local Sponsor (Electronic/scanned signature accepted)	Date	Printed Name

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**PART III: EVALUATION CRITERIA**

1. **Project Name:** (as listed in the Strategic Beach Management Plan)

South Amelia Island Shore Stabilization Project (SAISSP)

2. **Project Description:** (Include county, location with reference to range monuments, brief project history and description of proposed activities)

(Attach additional documentation as needed)

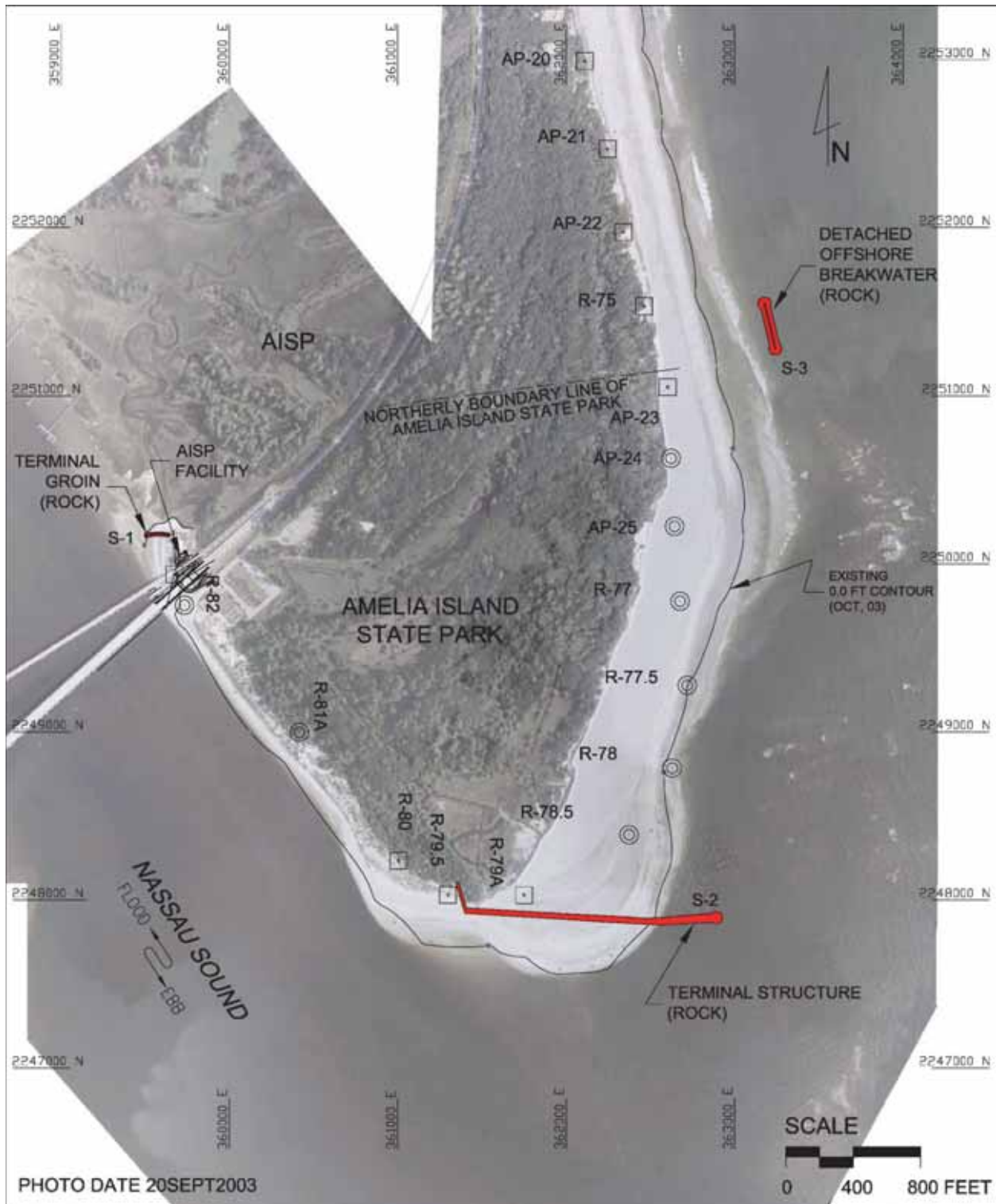
Applicant: The local sponsor is the South Amelia Island Shore Stabilization – Municipal Services Benefit Unit (SAISS-MSBU). The SAISS-MSBU was formulated in 1993 by the Board of County Commissioners of Nassau County, Florida, and is administered by the board of the South Amelia Island Shore Stabilization Association (SAISSA). The SAISSA board is comprised of appointed property owners and/or residents. The SAISS-MSBU, the County, and the FL Division of Recreation and Parks will continue to be project co-permittees for ongoing and future activities.

The South Amelia Island Shore Stabilization Project consists of the restoration and ongoing maintenance of a 19,100-ft shoreline segment project located at South Amelia Island, Nassau County, Florida (18,392 ft Critically Eroded shoreline). Initial construction occurred in 1994 and maintenance renourishments occurred in 2002 and 2011. The project nominally extends from R-59 on the north to R-79 on the south, at Nassau Sound (Figure 1). In 2005, a 1,730-ft permeable terminal structure at the tip of the island with Nassau Sound and a 360-ft detached breakwater were constructed (Figure 2). The purpose of the structures was to stabilize the Amelia Island State Park shoreline, protect a unique maritime forest/ecosystem and existing State Park infrastructure, restore endangered species habitat and beneficially affect the long-term performance of the beach nourishment project. By moderating high historical erosional losses from the Park shoreline bordering Nassau Sound, the maintenance interval of the current expanded South Amelia beach nourishment project is expected to improve over time.

The project was significantly impacted by Hurricane Matthew in October 2016. The storm resulted in the loss of 282,900 cy between R-59.5 and R-79 as the beach berm was eroded (surveyed in March 2017). The project was impacted again by Hurricane Irma in September 2017. That storm resulted in the loss of 134,100 cy between R-59.5 and R-79. As of March 2017, the project Mean High Water Line (MHWL) lies an average of 174-ft seaward of its initial pre-nourishment (1994) highly eroded location (northward of Amelia Island State Park – R-59 to R-75, unweighted average). Within the Park, the shoreline is on average substantially seaward of its pre-1994 project eroded location due principally to the impoundment effects of the two stabilizing structures constructed in 2005. The original ('94) beach restoration project and the two renourishments ('02 & '11) added over 6.6 million cubic yards (gross) of sand over the 18,000-ft shoreline length. Additionally, a ~350,000 cubic yard beach disposal project was constructed by the USACOE northward of the terminal groin in 2006, and a ~550,000 cy disposal project was constructed in Fall 2013 on Park property south of the detached rock breakwater (R-75 to R-77.5 approx.). That material, dredged from the AIWW, was placed by the USACE with funding from FIND, the project sponsor for that work. A similar disposal project is proposed for Fall 2018.

Project monitoring between 2005 and 2018 has indicated that the project structures and fill have performed as designed and permitted. A comprehensive hydrographic survey of Nassau Sound is occurring in the spring of 2018.





**Figure 2:** Location Map – Shore stabilizing structures - South Amelia Island.

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**3. Use of Requested Program Funds:** (Specify phase – Feasibility, Design, Construction, and/or Monitoring – and provide a brief description of work in each phase listed. Indicate which tasks are cost reimbursement for work that has been completed.)

For FY 19-20 requested funds include (see also Table 7a and 7b):

- Cost-sharing of eligible Construction costs for the third maintenance renourishment of the project. The project is expected to be bid, at the earliest, in late 2019 for Summer 2020 construction. Construction costs include contract management, construction observation, permit compliance, and other associated engineering costs. Request likewise includes associated Year-1 physical and biological monitoring. Table 7b
- Cost-sharing of Yr-9 (2020) permit-required, shorebird and physical Monitoring. This item may be dropped, pending the actual date of construction start. Table 7b

**4. Mapping:** Prepare and attach a map or maps of the project area formatted at a minimum of 1" = 200' scale. (Maps must be provided as attachments with this application.)

**SEE ATTACHED ADDITIONAL INFORMATION**

Map elements must include:

- Compass rose with North arrow, scale and legend.
- Project boundary showing length of critically eroded shoreline
- FDEP range monuments
- Beach access and parking locations (indicate Primary and Secondary accesses, including access widths)
- Width of access for public lodging establishments fronting the project shoreline (for commercial/recreational ranking points and eligibility determination)
- Width of access for public lodging establishments within one-quarter mile walking distance of a secondary public access point (must show length of street-side frontage for eligibility determination)
- Comprehensive plan or current land use designations of properties within the project shoreline (for commercial/recreational ranking points)
- Bus stops and bike rack locations within one-quarter mile walking distance of a public access point (if claiming for eligibility determination)

**5. Length of Project Boundary in Feet** (Total restored project length in the critically eroded area):

18,349 ft



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**6. Eligibility: Public Beach Access and Public Lodging Establishments:**

- The eligibility table must be completed for all beach projects.
- For Location/Name, use the official name of the park or the name of the street end that is associated with the public access.
- For R-Mon, select a DEP Range Monument that is closest to the main public access point.
- For Type of Access, indicate “Primary” or “Secondary” beach access in accordance with the definitions given in Rule 62B-36 F.A.C.
- For Width of Access/Frontage, give the length of the legal boundary (in feet) of the public access location along the beach. For public lodging establishments that are not located on the beach, indicate the street-side length of the legal property boundary (in feet) that is used as the main access to the establishment.
- For the Total Public Units in a public lodging establishment, write in the number of rooms available for use by the public divided by the total number of rooms in the establishment. For Parking Spaces, give the total number of public parking spaces that are available for use at the public access location. See Rule 62B-36 F.A.C. for additional details.
- For Additional Width from Eligibility Units, give the total distance added to the shoreline width of a public access location. If there are various kinds of eligibility units used for this calculation, provide the names of the eligibility units and show the calculation on a separate page or below the table.
- For Eligible Shoreline, calculate the sum of the distances for Width of Access and the Additional Width from Eligibility Units columns.
- Eligible Shoreline can't overlap.
- For the DBPR License, provide the website link to the Department of Business and Professional Regulation (DBPR) proof of licensure documentation for any public lodging establishments used for eligibility or Commercial/Recreational designation.
- Check the DBPR link from last year to verify that it is current.

**SEE ATTACHED ADDITIONAL INFORMATION**

Location/Name	R- Mon	Type of Access	Width of Access/ Frontage	Total Public Units or Parking Spaces	Additional Width from Eligibility Units	Eligible Shoreline (feet)	DBPR License
Total							

(Attach additional documentation as needed)

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**7. Schedule and Budget**

- a. Cost Reimbursement:** (Specify eligible costs incurred three years prior to the current application's fiscal year which have not been reimbursed. Eligible costs will be included in the funding request of the current application.)

Year	Proposed Phase	Description	Total Estimated Cost	Federal Cost Share	State Cost Share	Local Cost Share
2016/2017		NONE				
2017/2018						
2018/2019						

(Attach additional documentation as needed)

**b. Current and Future Costs: SEE ATTACHED ADDITIONAL INFORMATION**

(Specify eligible costs for the current application's fiscal year which have not been reimbursed. Include the proposed phases for the next 10 years and the estimated costs for the next 5 years.)

Year	Proposed Phase	Description	Total Estimated Cost	Federal Cost Share	State Cost Share	Local Cost Share
2019/2020		CONSTRUCTION	\$20,540,000	\$3,096,212	\$7,511,295	\$9,943,493
		MONITORING	\$306,600	--	\$132,022	\$174,578
		TOTAL	\$20,846,600	\$3,096,212	\$7,643,317	\$10,107,071
2020/2021		YR-1 items included in above costs				
2021/2022		CONSTRUCTION (tilling)	\$35,000		\$15,071	\$19,929
		MONITORING	\$41,800		\$17,999	\$23,801
		TOTAL	\$76,800		\$33,070	\$43,730
2022/2023		CONSTRUCTION (tilling)	\$35,000		\$15,071	\$19,929
		MONITORING	\$178,800		\$76,991	\$101,809
		TOTAL	\$213,800		\$92,062	\$121,738
2023/2024		MONITORING	\$43,800		\$18,860	\$24,940
		TOTAL	\$43,800		\$18,860	\$24,940
2024/2025		MONITORING				
2025/2026		DESIGN (update for NTP)				
		MONITORING				

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2026/		DESIGN (update for NTP)				
2027		MONITORING				
2027/		DESIGN (construction docs)				
2028		MONITORING				
2028/		DESIGN (construction docs/bidding)				
2029		MONITORING				

(Attach additional documentation as needed)

**8. Severity of erosion: Criterion will be calculated by the Department.**

Additional information may be provided for consideration.

Prior to the 1994 beach restoration project by local interests and extended during renourishment in 2002 to include the Amelia Island State Park, erosion rates throughout the project limits varied in direct proximity to Nassau Sound. For example, at the northern limit of the project, typical rates of average shoreline recession were approximately -3 ft/year. Conversely, at the extreme southern end of the stabilization project within the State Park near Nassau Sound, long-term erosion rates have averaged -15 ft/yr.

**9. Threat to Upland Structures: Criterion will be calculated by the Department.**

Additional information may be provided for consideration.

**10. Recreational and Economic Benefit:**

Provide the percentage of linear footage of properties within the project boundaries zoned commercial, recreational or Public Lodging Establishment (hotel, motel or vacation rental condo) as zoned in current local government land use maps.

Commercial/Recreational Property Length: 14,388 ft  
Percentage of Comm./Rec Property: 78.41%

**11. Availability of Federal Funds:**

Is the project Federally authorized by WRDA (Y/N)? No

AUTHORIZATION YEAR:                      EXPIRATION YEAR:

Does this project have a Project Cooperative Agreement or other Federal funding agreement? No

If so, attach a copy of the document.

What is the federal cost share percentage provided for this project? 0%                      (use decimal numbers)

Is this project funded through FEMA for storm repairs (Y/N)? Yes

If so, attach a copy of the signed Project Worksheet.



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**12. Local Sponsor Financial and Administrative Commitment:**

Is funding for the project in the local sponsor's 10-year comprehensive financial plan (Y/N)? Yes  
Attach a copy or provide web link to the plan.

**SEE ATTACHED ADDITIONAL INFORMATION**

Is funding provided through a source established by referendum (Y/N)? Yes  
Attach a copy or provide web link to the referendum.

**SEE ATTACHED ADDITIONAL INFORMATION**

Is funding provided by a third-party other than the federal government (Y/N)? No  
What is the percentage of total project costs provided by the third party? 0%  
Attach a copy of the interlocal agreement or cost sharing agreement.

Quarterly Report Compliance – For projects that are currently funded through the program or have historically been funded, the Local Sponsor may give the dates quarterly progress reports were submitted within the last fiscal year per terms of the agreement (for consideration of additional ranking points):

Quarter	Due Date	Report Remit Date	Compliant (yes/no)
July-September	October 30	10/15/17	Yes
October-December	January 31	1/15/18	Yes
January-March	April 30	4/15/18	Yes
March-June	July 31	7/15/18	Yes

Is there an active state permit for the project (Y/N)? Yes      Permit #: JCP #0187721-010

AUTHORIZATION DATE: 2/18/11      EXPIRATION DATE: 2/18/16  
*permits only govern monitoring activities*

Is there an active federal permit for the project (Y/N)? Yes      Permit #: SAJ-2001-03870

AUTHORIZATION DATE: 3/17/11      EXPIRATION DATE: 3/17/16

Have local funds been secured for the project (Y/N)? Yes

Explain: Local funding is provided by Municipal Services Benefit Unit (SAISS-MSBU)

Has a copy of the resolution been drafted and attached to this application (Y/N)? Yes  
In order to acquire state funding, the Local Sponsor must provide a resolution from the governing board which declares:

- Support from the Local Sponsor for the project
- Willingness to serve as the Local Sponsor
- Ability to provide the full local cost share
- Identification of the source of funding

A draft resolution must be provided with the application. The signed resolution must be received by September 28, 2018.

**13. Previous State Commitment:**

Has the Department previously reviewed, approved and cost-shared on a feasibility or design phase for this project (Y/N)? Yes

Provide most recent phase and state cost share percentage: 43%

Will this project enhance or increase the longevity of a previously-constructed project (Y/N)? Yes  
Explain:

Each phase of nourishment (proposed herein) enhances future nourishment.

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Will this project nourish a previously restored shoreline (Y/N)? Yes  
(Full beach nourishment only. Dune maintenance projects do not apply)

Has a previously approved appropriation for this project phase been released in its entirety by the Local Sponsor due to delays in the project timelines (Y/N)? No

**14. Project Performance:**

What is the nourishment interval (in years)? Nine (9) years

**15. Mitigation of Inlet Effects: Criterion is calculated by the Department.**

Additional information may be provided for consideration.

**16. Use of Innovative Applications of existing technologies:**

Does the project address erosion in a method that is economically competitive with nourishment, that will not adversely affect the conservation of fish and wildlife, including endangered or threatened species, or their habitats, and that is designed to demonstrate an innovative application of existing technologies (Y/N)? Explain: (Attach additional documentation as needed) No

The Department determined in 2002 that a detached breakwater and permeable groin to reduce to sand losses from the Amelia Island beach fill met the requirements of "Innovative Technology."

Has the project been documented to be effective and demonstrated technologies previously untried in Florida(Y/N)? Yes  
Explain:

Structure monitoring is a part of ongoing activities addressed herein (and is required by Permit). Both projects to date have clearly served to enhance beach fill performance.

**17. Regionalization:**

Is this project being planned or constructed in cooperation with another local government to reduce contracting costs (Y/N)? No

Explain and attach a signed copy of the interlocal agreement.

N/A

**18. Significance:**

What is the volume (cy) of advanced nourishment lost since the last sand placement event of a beach restoration or nourishment project as measured landward of the Mean High Water Line? (Information should be consistent with annual post-construction monitoring reports)

SAISSA (R-59 to R-75+250): 1,591,900 cy within fill template (to -7ft NAVD88), 76% of advance fill  
2011 project limits (R-59 to R-77): 1,575,400 cy within fill template (to-7ft NAVD88), 75% of advance fill

Has the project eroded into the design template (Y/N)? Yes  
If so, provide the eroded segments by listing the R-monuments.

Post-Matthew and Irma, the fill berm has eroded into the design template from R-59 to R-77.

For construction projects, what is the proposed sand placement volume (cy)? 2,000,000

# **SUPPORTING INFORMATION**

## ***SOUTH AMELIA ISLAND SHORE STABILIZATION PROJECT***

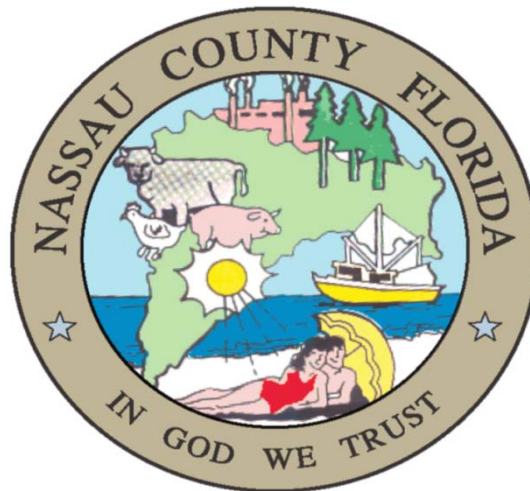
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### **Florida Beach Management Funding Assistance Program Local Government Funding Request FY 2019 – 2020**

**Construction, Monitoring**

#### **LOCAL SPONSOR:**

**South Amelia Island Shore Stabilization  
Municipal Services Benefit Unit  
(SAISS-MSBU)  
Nassau County, FL**



Consultant:  
Olsen Associates, Inc.  
Jacksonville, Florida  
01 August 2018

**SAISS-MSBU / NASSAU COUNTY, FLORIDA**  
**FDEP FY 2019-2020 Local Government Funding Request**

**SUPPORTING INFORMATION**

**4. Mapping:** See Table 1, and the attached public access and parking maps.

**6. Eligibility: Public Access Points and Public Lodging Establishments**

**Table 1 - Access Points and Public Lodging Establishments**  
**SOUTH AMELIA ISLAND SHORE STABILIZATION PROJECT**

Location/Name	R-Mon	Type of Access	Width of Access/Frontage	Total Public Units or Parking Spaces	Additional Width from Eligibility Units	Eligible Shoreline (ft)	DBPR License
Burney Park (southward)	R-59	Primary	100	100	1,740.0	1,740.0	see attached links
Beachwood (land side of road)	R-61 + 250' (Beachwood access)	Vacation Rental Condo	10	35	385.0	395.0	
Beachwood (land side of road)	R-62 + 100' (Beachwood access)	Vacation Rental Condo	10	35	605.0	615.0	
Sandcastles	R-63	Vacation Rental Condo	600	111	600.0	600.0	
Omni Amelia Inn	R-64	Hotel	1,250	404	0.0	1,250.0	
Captain's Court	R-65	Vacation Rental Condo	600	12	600.0	600.0	
Beach Walker	R-66	Vacation Rental Condo	875	47	875.0	875.0	
Shipwatch	R-67	Vacation Rental Condo	675	50	675.0	675.0	
Windsong		Vacation Rental Condo	400	6	316.8	316.8	
Piper Dunes	R-68	Vacation Rental Condo	625	1	52.8	52.8	
Sea Dunes		Vacation Rental Condo	350	37	350.0	350.0	
Dunes Club	R-69	Vacation Rental Condo	450	2	105.6	105.6	
Turtle Dunes	R-69.5	Vacation Rental Condo	400	36	400.0	400.0	
Nassau County South Beach Access	R-70.5	Secondary	100	25	1,320.0	1,420.0	
The Residence	R-72	Vacation Rental Condo	1,050	14	0.0	0.0	
SAI SP & Riverstone Beach Driving Access	R-76	Secondary	2,940	100	2,940.0	2,940.0	
South Amelia Island State Park	R-80 to R-75.5	Primary	3,467	100	3,467.0	3,467.0	
TOTAL (FT)						15,802	

Total Project Shoreline Length: 18,349 ft

Total Eligible Shoreline Length: 15,802 ft

Percent Eligible for State Funding 86.12%

State Cost Share 43.06%

## Local Hotel/Motel/Vacation Condo Rental

### DBPR Website links

#### Omni Amelia Island LLC

<https://www.myfloridalicense.com/LicenseDetail.asp?SID=&id=285AFA1BCB0FBD4E7CD9DA70EDC3F2A6>

<https://www.myfloridalicense.com/LicenseDetail.asp?SID=&id=6491554998A5CC24692508A9B9BC4A7C>

#### Amelia Island Real Estate Services, LLC

<https://www.myfloridalicense.com/LicenseDetail.asp?SID=&id=EF9D38BC0B081813F60775AFD8BB0E5D>

#### Amelia Island Rental and Management Services, Inc.

<https://www.myfloridalicense.com/LicenseDetail.asp?SID=&id=882F454DA5AB8C338C975D650B0E1644>

#### Bowers Rentals, Inc.

<https://www.myfloridalicense.com/LicenseDetail.asp?SID=&id=F01C1BC193DC84AAD2E39BE11E6A4A48>

#### Fernandina Beach Realty

<https://www.myfloridalicense.com/LicenseDetail.asp?SID=&id=B55AA5B2C6D1E8CBCCB72B52764048E8>

Name:	<b>OMNI AIP and VILLAGES OF AIP</b>
	Omni Amelia Island LLC (Primary Name)
	Omni Amelia Island Plantation (DBA Name) HOTEL
	Villas of Amelia Island Plantation (DBA Name) CONDOS
Main Address:	39 Beach Lagoon Road
	Amelia Island, FL 32034
License Types:	Hotel / Resort Condominium
License Numbers:	HOT5500837 / CND5500001
	Contact: Dawn Smith, 261-6161, Ext. 5119
	dawn.smith@omnihotels.com
Name:	<b>AIP REAL ESTATE</b>
	Amelia Island Real Estate Services, LLC (Primary Name)
	Amelia Island Plantation Real Estate (DBA Name)
Main Address:	10 Amelia Island Village
	Fernandina Beach, FL 32034
License Type:	Resort Condominium
License Number:	CND5500001 / CQ1037877
	Contact: Randy Goshorn 277-5199
	rgoshorn@omnihotels.com
Name:	<b>AMELIA RENTALS</b>
	Amelia Rental & Mgmt. Svcs. Inc. (Primary Name)
	Amelia Rentals (DBA Name)
Main Address:	5299 South Fletcher Ave
	Fernandina Beach FL 32034
License Type:	Resort Condominium
License Number:	CND5501009
	Contact: Trent Maddox 261-9129
	trent@ameliarentals.com
Name:	<b>BOWERS RENTALS</b>
	Bowers Rentals, Inc. (Primary Name)
	Bowers Rentals (DBA Name)
Main Address:	5472 First Coast Highway, Suite 11
	Amelia Island, FL 32034
License Type:	Resort Condominium
License Number:	CND5501055
	Contact: Linda Moore 432-8715
	Linda@amelia.com
Name:	<b>FB Realty</b>
	ERA Fernandina Beach Realty (Primary Name)
	Fernandina Beach Realty (DBA Name)
Main Address:	2057 S. Fletcher Avenue
	Fernandina Beach, FL 32034
License Type:	Resort Condominium
License Number:	CND5500023
	Contact: Kim Lynch 261-4011
	kimlynch@amelia-era.com



COMPLEX <sup>1</sup>	Total # Units	AIP	AIP/LTR	Amelia Rentals	Bowers Rentals	FB Realty	Total Rented	Total % Rented	Frontage*
Ocean Club	63						0	0%	1000
Spyglass	30						0	0%	675
Beach Wood <sup>2</sup>	136						70	51%	
Beachside	63						0	0%	625
Sandcastles <sup>3</sup>	137						111	81%	600
Omni Resort	404						404	100%	950
Captains Court	32						12	38%	780
Beach Walker	96						47	49%	900
Ship Watch	94						50	53%	650
Windsong	33						6	18%	625
Piper Dunes	56						1	2%	300
Sea Dunes	58						37	64%	400
Dunes Club	56						2	4%	450
Turtle Dunes	58						36	62%	400
Amelia Retreat	24						0	0%	750
Seaside Retreat	14						1	7%	inc. in Am. Retreat
Residence	14						0	0%	1050
<b>TOTAL</b>	<b>1368</b>	<b>669</b>	<b>3</b>	<b>77</b>	<b>24</b>	<b>4</b>	<b>777</b>	<b>56.80%</b>	<b>10,155</b>
1. Arranged in order of occurrence from north to south along Atlantic beachfront									
2. Considered as an Oceanfront complex because it has beach accesses within 1/4 mile.									
3. Some units have "lock-offs" which are rented separately from the total unit. Therefore, the total of lock-offs and units is 137.									

**7. Schedule and Budget (Table 7b):**

Table 7b - LONG RANGE BUDGET PLAN FROM FDEP FY 2019-2020							
SOUTH AMELIA ISLAND SHORE STABILIZATION PROJECT							
1-Aug-18	Proposed Phase	Description	Total	Federal	State <sup>(1)</sup>	Local	
2019/2020	CONSTRUCTION	Third Maintenance Renourishment (Summer 2020)	\$ 20,000,000.00	\$ 3,014,812.50	\$ 7,313,821.74	\$ 9,671,365.76	
		Construction Observation/Permit Compliance/Contract Mgmt	\$ 500,000.00	\$ 75,370.31	\$ 182,845.54	\$ 241,784.14	
		Tilling/Scarp Removal (YR-1, 2021)	\$ 40,000.00	\$ 6,029.63	\$ 14,627.64	\$ 19,342.73	
		CONSTRUCTION	\$ 20,540,000.00	\$ 3,096,212.44	\$ 7,511,294.92	\$ 9,932,492.64	
	MONITORING	Physical Monitoring (YR-9, 2020)	\$ 121,000.00	\$ -	\$ 52,102.60	\$ 68,897.40	
		Shorebird Monitoring (YR-9, 2020)	\$ 10,300.00	\$ -	\$ 4,435.18	\$ 5,864.82	
		Physical Monitoring (YR-1, 2021, including Nassau Sound)	\$ 160,000.00	\$ -	\$ 68,896.00	\$ 91,104.00	
		Sea Turtle Monitoring (YR-1, 2021)	\$ 5,000.00	\$ -	\$ 2,153.00	\$ 2,847.00	
		Shorebird Monitoring (YR-1, 2021)	\$ 10,300.00	\$ -	\$ 4,435.18	\$ 5,864.82	
		MONITORING	\$ 306,600.00	\$ -	\$ 132,021.96	\$ 174,578.04	
		2019/2020 TOTAL	\$20,846,600	\$3,096,212	\$7,643,317	\$10,107,071	
2020/2021	Monitoring	Year-1 costs included in the construction costs above.					
		2020/2021 TOTAL	\$0	\$0	\$0	\$0	
2021/2022	CONSTRUCTION	Tilling/Scarp Removal (YR-2, 2022)	\$ 35,000.00	\$ -	\$ 15,071.00	\$ 19,929.00	
		CONSTRUCTION	\$ 35,000.00	\$ -	\$ 15,071.00	\$ 19,929.00	
	MONITORING	FEMA Pre-season survey (YR-2, 2022)	\$ 28,000.00	\$ -	\$ 12,056.80	\$ 15,943.20	
		Sea Turtle Monitoring (YR-2, 2022)	\$ 5,000.00	\$ -	\$ 2,153.00	\$ 2,847.00	
		Shorebird Monitoring (YR-2, 2022)	\$ 8,800.00	\$ -	\$ 3,789.28	\$ 5,010.72	
		MONITORING	\$ 41,800.00	\$ -	\$ 17,999.08	\$ 23,800.92	
		2021/2022 TOTAL	\$ 76,800.00	\$0	\$33,070	\$43,730	

**7. Schedule and Budget (Table 7b, continued):**

	Proposed Phase	Description	Total	Federal	State <sup>(1)</sup>	Local
2022/2023	CONSTRUCTION	Tilling/Scarp Removal (YR-3, 2023)	\$ 35,000.00	\$ -	\$ 15,071.00	\$ 19,929.00
		CONSTRUCTION	\$ 35,000.00	\$ -	\$ 15,071.00	\$ 19,929.00
	MONITORING	Physical Monitoring (YR-3, 2023, including Nassau Sound)	\$ 165,000.00	\$ -	\$ 71,049.00	\$ 93,951.00
		Sea Turtle Monitoring (YR-3, 2023)	\$ 5,000.00	\$ -	\$ 2,153.00	\$ 2,847.00
		Shorebird Monitoring (YR-3, 2023)	\$ 8,800.00	\$ -	\$ 3,789.28	\$ 5,010.72
		MONITORING	\$ 178,800.00	\$ -	\$ 76,991.28	\$ 101,808.72
		2022/2023 TOTAL	\$ 213,800.00	\$ -	\$ 92,062.28	\$ 121,737.72
2023/2024	Monitoring	FEMA Pre-season survey (YR-4, 2024)	\$30,000	\$0	\$12,918	\$17,082
		Sea Turtle Monitoring (YR-4, 2024)	\$5,000	\$0	\$2,153	\$2,847
		Shorebird Monitoring (YR-4, 2024)	\$8,800	\$0	\$3,789	\$5,011
		MONITORING	\$ 43,800.00	\$ -	\$ 18,860.28	\$ 24,939.72
		2023/2024 TOTAL	\$ 43,800.00	\$ -	\$ 18,860.28	\$ 24,939.72
2024/2025	Monitoring	Physical Monitoring (YR-5, 2025, includes Nassau Sound)	Total	Federal	State <sup>(1)</sup>	Local
		Sea Turtle Monitoring (YR-5, 2025)				
		Shorebird Monitoring (YR-5, 2025)				
2025/2026	Design	Permitting - NTP Refresh	Total	Federal	State <sup>(1)</sup>	Local
	Monitoring	FEMA Survey (YR-6, 2026)				
		Sea Turtle Monitoring (YR-6, 2026)				
		Shorebird Monitoring (YR-6, 2026)				

**7. Schedule and Budget (Table 7b, continued):**

2026/2027	<u>Proposed Phase</u>	<u>Description</u>	<u>Total</u>	<u>Federal</u>	<u>State<sup>(1)</sup></u>	<u>Local</u>
	Monitoring	Physical Monitoring (YR-7, 2027, includes Nassau Sound)				
		Sea Turtle Monitoring (YR-7, 2027)				
Shorebird Monitoring (YR-7, 2027)						
2027/2028	<u>Proposed Phase</u>	<u>Description</u>	<u>Total</u>	<u>Federal</u>	<u>State<sup>(1)</sup></u>	<u>Local</u>
	Design	Construction Documents and Bidding				
	Monitoring	Physical Monitoring (YR-8, 2027)				
		Sea Turtle Monitoring (YR-8, 2027)				
Shorebird Monitoring (YR-8, 2027)						
2028/2029	<u>Proposed Phase</u>	<u>Description</u>	<u>Total</u>	<u>Federal</u>	<u>State<sup>(1)</sup></u>	<u>Local</u>
	Design	Construction Documents and Bidding				
	Monitoring	Physical Monitoring (YR-9, 2027)				
		Sea Turtle Monitoring (YR-9, 2027)				
Shorebird Monitoring (YR-9, 2027)						
			(2)	Item requested for reimbursement		

Cost Sharing @ 42.96%

<sup>(1)</sup> Cost Sharing @ 42.96%

## **ADDITIONAL INFORMATION**

### **11. Availability of Federal Funds**

Is this project funded through FEMA for storm repairs?

**YES**

Provide a copy of the signed Project Worksheet - ATTACHED. Hurricane Irma PW is pending

The project was impacted by Hurricane Matthew in October 2016, and Hurricane Irma in September 2017. The County and its Consultant have worked with FEMA to complete a Category G Project Worksheet for the Matthew storm damage replacement of 218,500 cubic yards of sand. An Irma Project Worksheet is pending for the replcemnet of 126,050 cubic yards. These sand volumes will be replaced as part of the larger beach renourishment project scheduled in 2020 (at earliest). The storm volumes represent approximately 17.2% of the expected 2.0Mcy renourishment volume. **Note** – The southernmost portion of the beach fill within the Park is also a permitted beach disposal site for sand excavated from the AIWW by the federal government (*i.e.*, USACOE) every 3 to 6 years, mol. That work (sand placement) is performed at 100% federal expense, or is funded by the F.I.N.D. The last disposal operation was completed in Fall 2013. The volume placed was in excess of 550,000 cy, placed south of R-75 and the rock breakwater. Another disposal project of similar scale is planned for Fall 2018. With strategic placement, the sand is of significant value to both the Park and the renourishment project in general. It is likewise net beneficial to the sediment budget of Nassau Sound.

## **ADDITIONAL INFORMATION**

### **12. Local Sponsor Financial and Administrative Commitment**

Is funding for the project in local sponsor's 10-year comprehensive financial plan (Y/N)? **YES**

See Table 7b. The SAISS-MSBU, which has no expiration date, follows that 10-yr plan.

Is funding provided through a source established by referendum (Y/N)?

**YES**

Please provide a copy or web link to the referendum.

The local sponsor, Nassau County, administers the SAISS Municipal Services Benefit Unit (MSBU). The MSBU, established in 1993 by Ordinance 94-1, is advised by the South Amelia Island Shore Stabilization Association (SAISSA). The County and SAISSA partner with the Division of Recreation and Parks. In 2011, the entire renourishment cost was funded through the local MSBU. The State Legislature provided reimbursement funds for that construction project in their 2014-2015 Fiscal Year Budget. <http://library.municode.com/index.aspx?clientId=11325> (Reference Ordinance 94-1)

Local Sponsor DRAFT Resolution attached Y/N)?

**YES**

The Nassau County BOCC sits as the titular head of the South Amelia Island Shore Stabilization MSBU. Hence, an updated DRAFT Resolution by the Nassau County BOCC regarding continuing support for the project on behalf of the SAISS-MSBU is attached.

***CONTINUED...***

# ATTACHMENTS



***SOUTH AMELIA ISLAND  
SHORE STABILIZATION PROJECT***

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**Florida Beach Management Funding Assistance Program  
Local Government Funding Request  
FY 2019 – 2020**

**LOCAL SPONSOR RESOLUTION**

**LOCAL SPONSOR:**

**South Amelia Island Shore Stabilization  
Municipal Services Benefit Unit  
(SAISS-MSBU)  
Nassau County, FL**



## Resolution

RESOLUTION NO. \_\_\_\_\_

RESOLUTION OF THE BOARD OF COUNTY COMMISSIONERS OF NASSAU COUNTY, FLORIDA, DEMONSTRATING CONTINUING SUPPORT FOR THE SOUTH AMELIA ISLAND SHORE STABILIZATION PROJECT AGREEING TO CONTINUE SERVING AS THE LOCAL SPONSOR OF THE PROJECT, COMMITTING TO PROVIDE THE LOCAL COST SHARE THROUGH THE SOUTH AMELIA ISLAND SHORE STABILIZATION MUNICIPAL SERVICE BENEFIT UNIT AND PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, the shoreline of South Amelia Island, Nassau County, Florida is an important part of the quality of life of the community by providing esthetic benefits, recreational benefits, storm-damage reduction benefits, environmental benefits and economic benefits; and,

WHEREAS, the beaches are a primary tourist attraction and vital to the economic well being of the community; and

WHEREAS, the Board of Nassau County Commissioners, Nassau County, Florida recognizes that severe beach erosion continues to be a problem and therefore threatens tourism, economic activity, and public and private property; and

WHEREAS, the Board of County Commissioners, Nassau County, Florida adopted Ordinance 94-1 on October 11, 1993 creating the South Amelia Island Shore Stabilization Municipal Service Benefit Unit (SAISS MSBU) as the best means to undertake the beach nourishment program and to provide funds for the public improvements and other undertakings and operations; and

WHEREAS, the Board of County Commissioners, Nassau County, Florida contracted with the South Amelia Island Shore Stabilization Association, Inc. to provide, on behalf of the County, be the Project Management for the Beach Renourishment Project and provide administration, management, oversight and supervision, and

WHEREAS, the Board of County Commissioners, Nassau County, Florida acting as the governing body of South Amelia Island Shore Stabilization Municipal Service Benefit Unit has provided funds for the Beach Restoration and Beach Nourishments since 1994, and

WHEREAS, the Board of County Commissioners, Nassau County, Florida acting as the Governing Body of the South Amelia Island Shore Stabilization Municipal Service Benefit Unit has partner the Florida Department of Environment Protection, the Florida Park Service, the Florida Inland Navigation District, the Amelia Island Tourist Development Council and others as needed to promote the protection and restoration of the beach dune system on the South end of Amelia Island; and

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF THE NASSAU COUNTY COMMISSIONERS, NASSAU COUNTY, FLORIDA THAT:

Section 1. The Board of County Commissioners, Nassau County, Florida hereby agrees to provide continuing support for the South Amelia Island Shore Stabilization Project, agrees to continue serving as sponsor of the project, and agrees to provide the local cost share through the South Amelia Shore Stabilization Municipal Service Benefit Unit.

Section 2. EFFECTIVE DATE. This Resolution shall take effect immediately upon passage.

ADOPTED by the Board of Nassau County Commissioners, Nassau County, Florida at its regular meeting assembled this 18<sup>th</sup> day of July 2018

FOR NASSAU COUNTY FLORIDA

As governing body of the South Amelia Island Shore Stabilization Municipal Service Benefit Unit

\_\_\_\_\_  
Chairman, Board of County Commissioners,

As Chairman of the South Amelia Island Shore Stabilization Municipal Service Benefit Unit

Pat Edwards\_\_\_\_\_  
Print Name

Chairman\_\_\_\_\_  
Title

\_\_\_\_\_  
Date

ATTEST:

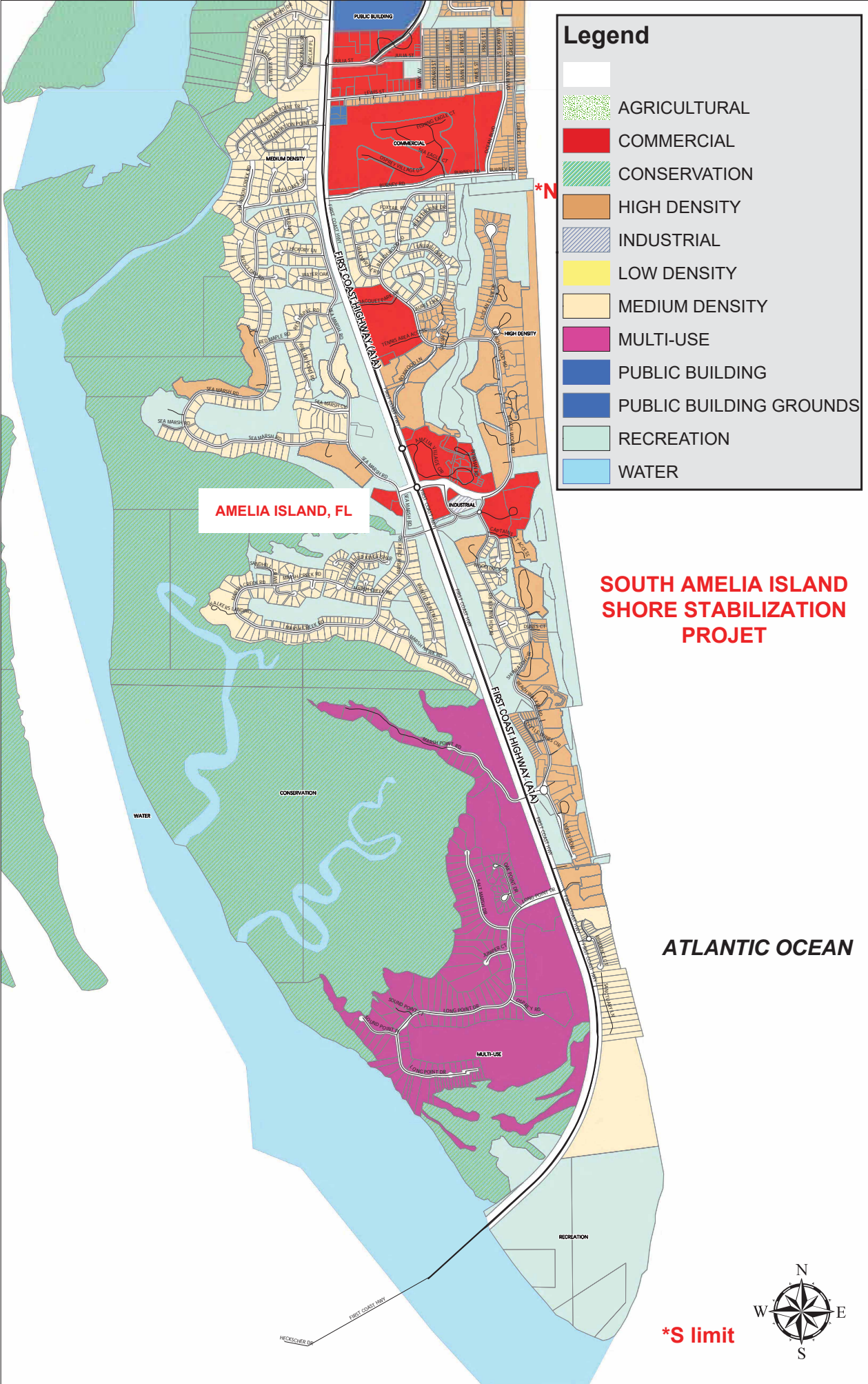
\_\_\_\_\_  
Ex-Officio Clerk

John A. Crawford\_\_\_\_\_  
Print Name

APPROVED AS TO FORM

\_\_\_\_\_  
Nassau County Attorney

Michael S Mullin\_\_\_\_\_  
Print Name



July 2018

# South Amelia Island, FL Beach Parking & Public Access

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## Nassau County, FL

### NOTES:

- 1) Prepared for 2019-2020 FDEP Local Government Funding Request (LGFR)
- 2) FDEP Critically Eroded Shoreline Designation: R-60 to R-79 (18,349 ft)

prepared for:  
South Amelia Island  
Shore Stabilization Assoc.  
SAISS-MSBU  
Nassau County, FL

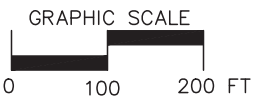
prepared by:







NOTES:  
1) HORIZ. - SPC FL EAST NAD83, FT; VERT. - NAVD88, FT  
2) PHOTO DATE: JANUARY 2017  
3) FDEP JCP 0187721-010, NASSAU COUNTY, FL.  
4) SEE LAND USE MAP (ATTACHMENT C)



FOR  
INFORMATION  
ONLY

REVISIONS				
LTR	DESCRIPTION	BY	DATE	APPRVD



SOUTH AMELIA ISLAND SHORE STABILIZATION PROJECT	
BEACH ACCESS/PARKING	
DRAWN BY: ML	DATE: JULY 2018
CHECKED BY: AEB	DATE: JULY 2018
REVISED BY:	DATE:

SHEET  
**1**  
of 9





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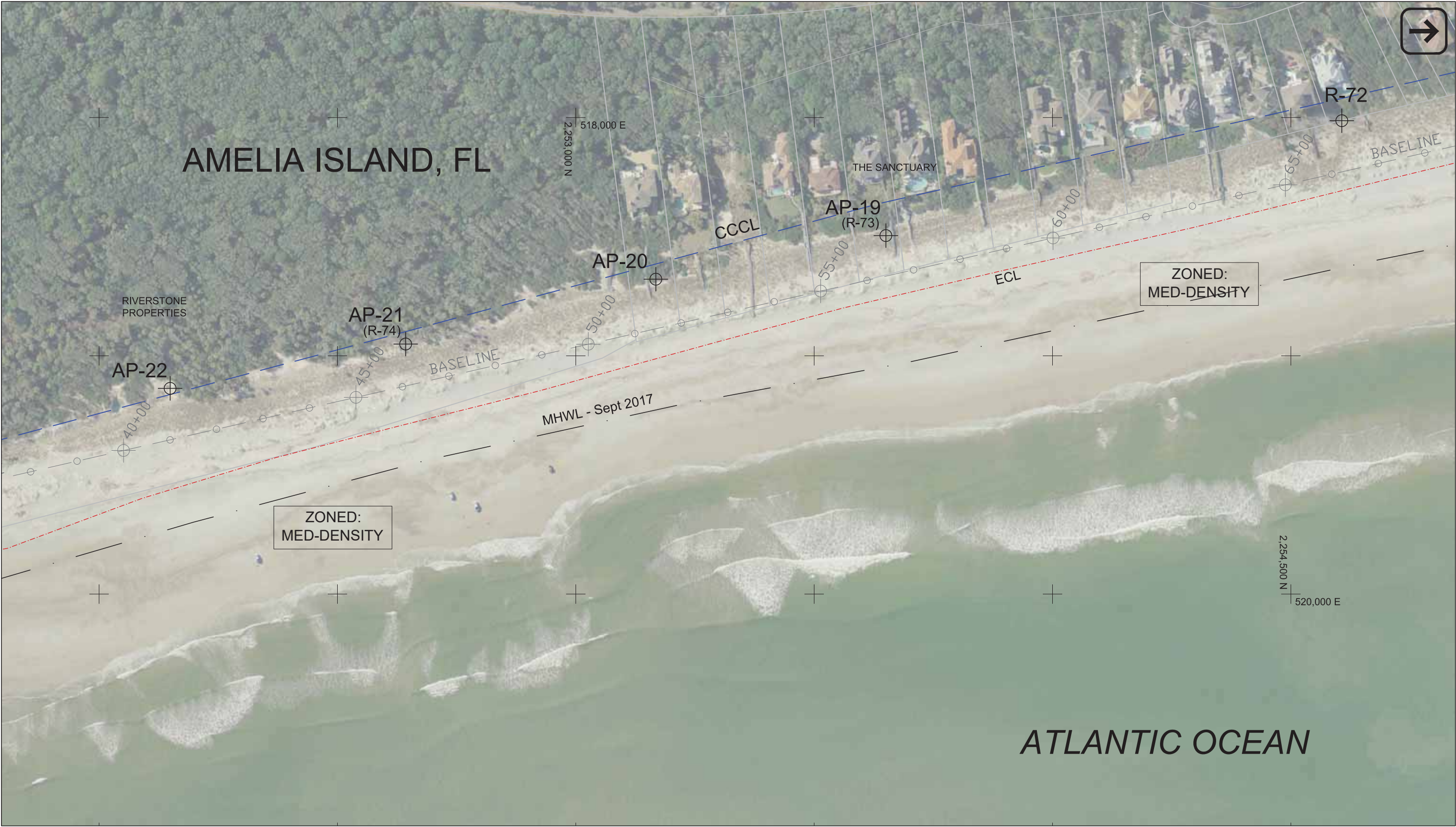
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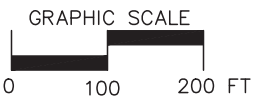
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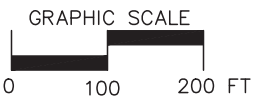
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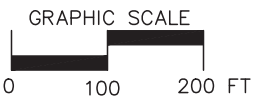


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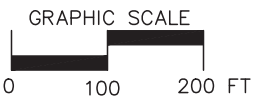
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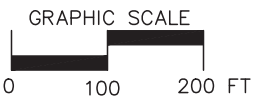
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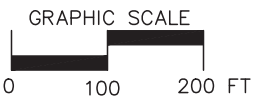
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of 9





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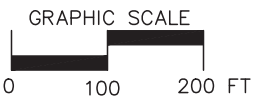
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REVISED BY:	DATE:

<b>PA-04-FL-4283-PW-00642(0) <u>P</u></b>	
Applicant Name:	Application Title:
NASSAU (COUNTY)	AIGMM01-South Amelia Island Shore Stabilization Project
Period of Performance Start:	Period of Performance End:
10-08-2016	04-08-2018

Bundle Reference # (Amendment #)	Date Awarded

### Subgrant Application - FEMA Form 90-91

**Note:** The Effective Cost Share for this application is 75%

FEDERAL EMERGENCY MANAGEMENT AGENCY PROJECT WORKSHEET					
DISASTER		PROJECT NO.	PA ID NO.	DATE	CATEGORY
FEMA	4283 - DR -FL	AIGMM01	089-99089-00	08-16-2017	G
APPLICANT: NASSAU (COUNTY)			WORK COMPLETE AS OF: 08-11-2017 : 0 %		
Site 1 of 1					
DAMAGED FACILITY:			COUNTY: Nassau		
South Amelia Island Stabilization Project					
LOCATION:			LATITUDE:	LONGITUDE:	
Current Version: Project Location and Physical Setting			30.525806 30.56816	-81.436366 -81.4434	
Amelia Island is a sandy barrier island located in Nassau County in Northeastern Florida. The engineered beach project extends approximately 19,260 feet from FDEP R-monument R-59 (Burney Park) southward to R-79.					
R- 59 North End GPS: 30.568160; -81.443403 R-75+250 ft. South End GPS: 30.525806; -81.436366					
Project length = 15,840 LF See Attached: AIGMM01 -1- Location Map					
DAMAGE DESCRIPTION AND DIMENSIONS:					
Current Version: During the declared incident period from October 3th and October 19th, Hurricane Matthew generated storm surge and wave action that caused beach and dune erosion in Nassau County, Florida. A major disaster, DR-4283-FL, was declared on October 8, 2016.					
PROJECT HISTORY: In 1993, Nassau County established the South Amelia Island Shore Stabilization Association, Inc. (SAISSA) to assist in project management to combat severe erosion on the shoreline of South Amelia Island. In 1994, Nassau County/SAISSA sponsored the design/construction of a 2,600,000 CY beach project along 3.2 miles of shoreline from R-59 to R-78.					
In 2002, Nassau County/SAISSA sponsored a 1,800,000 CY construction re-nourishment of the 1994 project, which was co-sponsored by the Florida Park Service. Phase 1 of this 2002 Project involved beach/dune construction from R-60 to R-79.5, which increased the project limits to include 3,420 LF of shoreline in the Amelia Island State Park. In 2003, Phase II of the Project involved construction of (3) rock structures to stabilize the severely eroded oceanfront shoreline within the State Park.					
In 2011, the South Amelia Island Shore Stabilization Project (Project) placed approximately 2,100,630 CY of beach quality sand from R-59.5 southward to R-77. This Engineered Beach Project includes both the beach berm and dune system within its design template, which involved beach construction by the placement of sand to a designed elevation, width, grain size, and slope. The Sand Source for this 2011 Project was a 141 acre off-shore borrow site east of R-77 – see project detail in attachments: AIGMM01-2- South Amelia Island 2011 Post-Construction-Report; AIGMM01 -3-SAI 2011 As-Built Certification with survey 26Oct11; AIGMM01-4-FDEP Permit 0187721-010-JC S					



Amelia Island 18Feb11; AIGMM01-5- FDEP Permit 0187721-012-JN Minor Modification S Amelia Island 22Jun11; AIGMM01-6- FDEP Variance 0187721-011-BV S Amelia Island 22Feb11; and AIGMM01-7- USACE Permit SAJ-2001-3870-PRJ.

**PROJECT MAINTENANCE:** The Applicant's Project Maintenance Plan was developed by Olsen Associates, Inc. – see Attached: AIGMM01-8- SAISS-MSBU Beach Maintenance Plan 20Jul10. The Maintenance Plan for South Amelia Island Shore Stabilization Project involves: 1) annual monitoring of the engineered beach segments and rock stabilizing structures to track the physical performance of the beach fill; 2) conducting of post-storm surveys after significant storm events to document sand loss damage, track the location of lost sand or rock (if possible) to enable design guidance for post-storm repair efforts; 3) re-nourishment of the engineered beach/dune system is undertaken at intervals necessary to maintain the upper beach and dune system intact to prevent or limit wave overtopping and storm damage during small, intermediate and more severe storms; 4) results of the Applicant's ongoing physical monitoring program are used to evaluate, prepare and execute periodic re-nourishment of the engineered beach.

**INCIDENT-RELATED DAMAGE TO SOUTH AMELIA ISLAND SHORE STABILIZATION PROJECT:** Erosion damage to the engineered beach project was documented by comparison of the pre-storm project monitoring survey of May 2016 to the post-storm project design survey of March 2017. The survey transects were carried offshore beyond the typical depth of survey closure (-20 FT NAVD).

To account for natural background erosion along the length of the engineered beach from May 2016 to March 2017 surveys, the Applicant's Engineer of Record (Olsen and Associates, Inc. – EOR) analyzed annual monitoring survey data from August 2011 to May 2016 (4.8 years) to determine the average annual sand volume change, as measured from the dunes to -20 FT NAVD. The average, annual background sand erosion volume change rate was calculated to be -30,700 CY/YR (2,558.33 CY/MO) when measured to -20 FT NAVD (Olsen and Associates Inc., 2016a).

The Applicant's Engineer of Record (Olsen and Associates, Inc. – EOR) calculated Hurricane Matthew related impact to the engineered beach nourishment project to be a net sand loss of -282,900 CY within the Project Limits R-59 to R-79.5, after subtracting 25,583 CY (10 months x 2,558.33 CY/MO = 25,583 CY) for background sand loss erosion calculated to have occurred during the non-incident period from May 2016 to March 2017.

Since the Project limits R-59 to R-79.5 involve shoreline legal responsibility for both Nassau County (Applicant) and the Amelia Island State Park (not a claimant for this Subgrantee Grant), the EOR calculated the Applicant's incident-related net sand loss to be -218,500 CY (-282,900 CY net sand loss on Project Limits R-59 to R-79.5 minus 64,400 CY net sand loss on Amelia Island State Park Property = -218,500 CY on owned property of the Applicant). To repair incident related sand loss damage to its engineered beach project, the Applicant will be required to place 218,500 CY of beach-compatible sand fill to restore the project area to its pre-Hurricane Matthew condition - see attached: AIGMM01-9-South Amelia Island Pre/Post-Storm Photos; AIGMM01-10-South Amelia Island Pre and Post-Storm Photos; and AIGMM01-11-South Amelia Island Hurricane Matthew Design Analyses 11Apr17.

#### SCOPE OF WORK:

Current Version:  
WORK TO BE COMPLETED

The Applicant plans to repair Hurricane Matthew damage to the project area by placement of 218,500 CY of beach compatible sand between markers R-59 and R-75+250ft (15,840 LF). Sand placement will be to engineered beach/dune design template specifications for elevation, volume, sand grain size, location and slope equivalent to pre-Hurricane Matthew conditions.

The Applicant's EOR provided an opinion of probable cost to replace sand lost due to Hurricane Matthew storm damage from the South Amelia Island Shore Stabilization Project, Nassau County, FL. This "Opinion of Probable Cost" is based upon the All-In Unit Cost/CY of Sand Placement for recent, similar beach nourishment projects of 2,000,000 CY of beach compatible sand construction in Florida and the southeast U.S. within the last 12 to 24 months. This "Opinion of Probable Cost" assumes the incident related net sand loss will be replaced by the Applicant as part of a larger engineered beach sand fill re-nourishment project – see attached AIGMM01-11-South Amelia Island Hurricane Matthew Design Analyses 11Apr17 and AIGMM01-12-Nassau County South Amelia Island - Matthew Opinion of Probable Cost - 12Apr17.

Opinion of Probable Cost calculated by Applicant's Engineer of Record (based upon project costs of comparable projects):

Mobilization/Demobilization: \$3,500,000  
Beach Fill Sand – In place (2,000,000 @ \$8 CY) : \$16,000,000  
Turbidity Monitoring: \$60,000  
Beach Tilling/Decompaction: \$30,000  
Environmental Protection Monitoring: \$100,000  
TOTAL COMPARABLE CONSTRUCTION PROJECT COST: \$19,690,000

ALL-IN CONSTRUCTION COST/CY: \$19,690,000 Construction Cost/2,000,000 CY Sand = 9.845 = \$9.85 CY

TOTAL COMPARABLE CONSTRUCTION PROJECT COST: \$19,690,000  
EXPECTED ENGINEERING, PERMITTING, CONSTR. MGMT, OBSERVATION: \$19,690,000 Constr. Cost x .0741493 Estimated Contract Cost = 1,459,999.70 = \$1,460,000  
ALL-IN SAND UNIT COST: \$10.58 (\$19,690,000 Construction Cost + \$1,460,000 Estimated Contract Cost = \$21,150,000/2,000,000 CY Sand = 10.575 = \$10.58)

HURRICANE MATTHEW ALL-IN SAND UNIT COST (Pro-rated as part of Large Beach Re-Nourishment Project): \$2,311,730 (218,500 CY Applicant Net Sand Loss x \$10.58/CY All-In Unit Cost/CY = \$2,311,730)

FEMA COST CODE 9001  
WORK TO BE COMPLETED ESTIMATE: \$2,311,730

FEMA COST CODE 9903: NO Direct Administrative Costs

**PROCUREMENT:** The Applicant intends to follow its purchasing procedures to secure bids/award the Project - see attached AIGMM01-13- Purchasing Policy-Nassau County FL.

**ENVIRONMENTAL COMPLIANCE:** The original project was constructed under FDEP and USACOE permits – see attached: AIGMM01-4- FDEP Permit 0187721-010-JC S Amelia Island 18Feb11; AIGMM01-5- FDEP Permit 0187721-012-JN Minor Modification S Amelia Island 22Jun11; AIGMM01-6- FDEP Variance 0187721-011-BV S Amelia Island 22Feb11; and AIGMM01-7- USACE Permit SAJ-2001-3870-PRJ.

Permits/modifications for the Hurricane Matthew repair work have not been obtained, but have been budgeted in the engineer's estimate (see above) and will be obtained prior to initiation of this re-nourishment project.

Sand sources for the repair work have not been finalized yet, but the Applicant intends to solicit bids from contractors who will use beach-compatible sand from the Nassau Sound Offshore Borrow Area, which is an approved, offshore sand source previously used by the Applicant in 1994, 2002, and 2011 Projects – see AIGMM01 13 S Amelia Island Borrow Area Map and AIGMM01 14 S Amelia Island Borrow Area GPS Coordinates.

**TOTAL PROJECT ESTIMATED WORK TO BE COMPLETED COST:** \$2,311,730.00 (218,500 CY Applicant Net Sand Loss x \$10.58/CY All-In Unit Cost/CY = \$2,311,730)

**STANDARD COMMENTS:**

**RECORD RETENTION:** Complete records and cost documents for all approved work must be maintained for at least five years from the date of the Sub-recipient's Account Closeout. Project worksheets are subject to examination and audit by the State of Florida, and must reflect work related to disaster specific costs.

**DIRECT ADMINISTRATIVE COSTS:** The subgrantee has NOT requested Direct Administrative Costs (DAC) that are directly chargeable to this project. Associated eligible work is related administration of the PA project only and in accordance with 2 CFR 200.413. These costs are treated consistently and uniformly as direct costs in all federal awards and other subgrantee activities and are not included in any approved indirect cost rates.

**HAZARD MITIGATION PROPOSAL:** Hazard Mitigation under section 406 has been considered for this project and due to the type of work or project, effective mitigation is not feasible within the requirements of 44 CFR 206.226(c).

**PROCUREMENT:** The Applicant was advised by FEMA PAC and/or Project Specialist that in the seeking of proposals and letting of contracts for eligible work, the Applicant must comply with its Local, State and/or Federal procurement laws, regulations, and procedures as required by 2 CFR 317-326.

**RECORD RETENTION:** As described in 2 CFR 200.33 Subgrantee must maintain all work-related records for a period of three (3) years from Subgrantee closure (final payment), all records relative this project worksheet are subject to examination and audit by the State, FEMA and the Comptroller General of the United States and must reflect work related to disaster specific costs.

**RECORD RETENTION:** Complete records and cost documents for all approved work must be maintained for at least five years from the date of the Sub-recipient's Account Closeout. Project worksheets are subject to examination and audit by the State of Florida, and must reflect work related to disaster specific costs.

**PERMITS:** Federal Funding is contingent upon acquiring all necessary Federal, State and Local permits. Noncompliance with this requirement may jeopardize the receipt of federal funds. The applicant is responsible for obtaining all required permits prior to the commencement of work.

**ENVIRONMENTAL AND HISTORIC PRESERVATION:** Applicant must comply with all applicable environmental and historic preservation laws. Federal funding is contingent upon acquiring all necessary Federal, State and Local permits. Noncompliance with this requirement may jeopardize the receipt of federal funds.

**CHANGES TO SCOPE OF WORK DESCRIBED IN THIS PW/SA (SUBGRANT APPLICATION):** The applicant shall comply with all applicable codes and standards in the completion of eligible work to repair or replace damaged public facilities. Any change to the approved scope of work on a Project Worksheet (PW/SA) must be reported and approved before work begins. Failure to report changes may jeopardize Federal and State funding. In the case of a change in scope of work, the applicant shall notify the Florida Division of Emergency Management program representative prior to starting work.

**INSURANCE REVIEW:** The applicant is aware that all projects are subject to an insurance review as stated in 44 C.F.R. Sections 206.252 and 206.253. If applicable, an insurance determination will be made either as anticipated proceeds or actual proceeds in accordance with the applicant's insurance policy which may affect the total amount of the project. Approval of this project may result in an obtain/maintain insurance requirement. The Subgrantee must comply with insurance reviewer terms and conditions upon receipt of sub-grant from the State.

**COST BASIS FOR LABOR, EQUIPMENT AND MATERIALS:** Costs used to formulate this project were based on:

- Unit Costs provided by Applicant
- Actual or Recent Contract costs
- Local material cost

**AUDIT STATEMENT:** All documentation related to this project worksheet is subject to audit and must reflect disaster related work and project specific cost. The applicant has been advised of responsibility to maintain supporting documentation (records). The type of records to be maintained is specified in FEMA policy 2 CFR Subpart F, Audit Requirements. Records must be maintained for three (3) years from the date the last project was completed or from the date final payment was received, whichever is later.

75% FEDERAL FUNDING: In accordance with 44 CFR 206.47(a) and current disaster declaration determinations, this project worksheet will be funded with the Federal Cost share at 75% of all eligible costs.

By accepting this grant the Applicant to the best of their ability acknowledges that all damages described within this Sub-grant Application and all associated costs being claimed were a direct result of the declared event, and in connection with the incident period for DR-4283 with the exception of requests for alternate or improved projects.

LARGE PROJECT ADJUSTMENT, ANY CATEGORY: When Subgrant Applications for Assistance (Project Worksheets) are written as Large Projects (\$121,800.00 or greater) not participating in the SRIA Alternative Procedures Pilot Program for Permanent Work "C" fixed estimated cost, an adjustment must be made during the closeout process in order to match the actual eligible dollars spent. This will require a Change (Version) to be submitted in EMMIE to capture the over-run/under-run.

Does the Scope of Work change the pre-disaster conditions at the site? ☐ Yes ☒ No

Special Considerations included? ☒ Yes ☐ No

Hazard Mitigation proposal included? ☐ Yes ☒ No

Is there insurance coverage on this facility? ☐ Yes ☒ No

#### PROJECT COST

ITEM	CODE	NARRATIVE	QUANTITY/UNIT	UNIT PRICE	COST
		*** Version 0 ***			
		Work To Be Completed			
1	9001	Contract	218500/LS	\$ 10.58	\$ 2,311,730.00
		Other			
2	9903	No Direct Administrative Costs	1/LS	\$ 0.00	\$ 0.00
				<b>TOTAL COST</b>	<b>\$ 2,311,730.00</b>

PREPARED BY RICHARD PORTER

TITLE Project Specialist

SIGNATURE

ROBERT C GLASSEN

APPLICANT REP. Justin Stankewitz

TITLE Budget Director

SIGNATURE

Justin Stankewitz

9/19/17