

PA-04-FL-4283-PW-01061(0) <u>P</u>	
Applicant Name:	Application Title:
ST. JOHNS (COUNTY)	SCBAK40 - Emergency Berms
Period of Performance Start:	Period of Performance End:
10-08-2016	04-08-2017

Subgrant Application - Entire Application

Application Title: SCBAK40 - Emergency Berms

Application Number: PA-04-FL-4283-PW-01061(0)

Application Type: Subgrant Application (PW)

Preparer Information

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Middle Initial	C
Last Name	GLASSEN
Title	Project Specialist
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Is the application preparer the Point of Contact? No

Point of Contact Information

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Last Name	Dunn
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Alternate Point of Contact Information

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 State FL
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Project Description

Disaster Number: 4283
 Pre-Application Number: PA-04-FL-4283-RPA-0051
 Applicant ID: 109-99109-00
 Applicant Name: ST. JOHNS (COUNTY)
 Subdivision:
 Project Number: SCBAK40
 Standard Project Number/Title: 299 - Emergency Protective Measures
 Please Indicate the Project Type: Neither Alternate nor Improved
 Application Title: SCBAK40 - Emergency Berms
 Category: B.PROTECTIVE MEASURES
 Percentage Work Completed? 0.0 %
 As of Date: 04-04-2018

Comments

Attachments

Damage Facilities (Part 1 of 2)

Facility (Site) Number	Facility (Site) Name	Address	County	City	State	ZIP	Previously Damaged?	Action
1	Emergency Berms		St. Johns		FL		No	

Comments

04/08/20 - Email from Kim Schoffel, FDEM to Annie Ford, FEMA. Time Extension has been drafted and is pending GAR signature. -Annie Ford, FEMA Florida FIT

Attachments

User	Date	Document Type	Description	Hard Copy File Reference	File Name	Action
ROBERT GLASSEN	04-06-2018	Additional Information	Engineering Report		1 - Engineers Report on St Johns County CAT B.pdf(2.80 Mb)	View

ROBERT GLASSEN	04-06-2018	Map	Location Maps (Pre and Post Storm)		2 - Beach Reach Location Maps 1 through 9.pdf(2.77 Mb)	View
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Facility (Site) Name:	Emergency Berms
Address 1:	
Address 2:	
County:	St. Johns
City:	
State:	FL
ZIP:	
Damage Category:	
Was this facility (site) previously damaged?	No
Percentage Work Completed?	0.00 %
Location:	PA-04-FL-4283-PW-01061(0): The project is located on the Atlantic coast intermittently between Florida Department of Environmental Protection (FDEP) Monuments R-1 and R-209. Northern End of Project at Monument R-1: 30.252931, -81.380869 Southern End of Project at Monument R-209: 29.672008, -81.214031 As detailed in Attachment 1, Table 1, the length of the County from R-1 to R-209 can be separated into 13 beach reaches. However, this project excludes Reach 3 (Guana Tolomato Matanzas National Estuarine Research Reserve), Reach 8 (Anastasia State Park), Reach 9 (the federal St. Johns County Shore Protection Project) and Reach 12 (Ft. Matanzas National Monument). These sections are not the responsibility of the Applicant (St. Johns County).
Damage Description and Dimensions:	PA-04-FL-4283-PW-01061(0): During the declared incident period from October 3, 2016, to October 19, 2016, Hurricane Matthew caused storm surge and wave action that resulted in beach and dune erosion in St. Johns County, Florida. A major disaster, DR-4283-FL, was declared on October 8, 2016. Hurricane Matthew caused extensive erosion of the natural beach/dune system. Several substantial dune breaches resulted from the event, which led to widespread flooding in neighborhoods adjacent to the beach reaches that are the subject of this Project Worksheet. As stated in the Public Assistance Program and Policy Guide (FP-104-009-2, pp.78-79), if a natural... beach has eroded to a point where a 5-year flood could damage improved property, cost-effective emergency protective measures on the beach that protect against damage from that flood are eligible (44 CFR 206.225 (a)(3)). The two components for evaluation of potential future risk of a 5-year storm to improved property are: 1) Stillwater Elevation which is the summation of local astronomical tides and storm surge height estimated for a 5-year event; and 2) Wave Runup which is derived from computer modeling using wave data for a 5-year event. Stillwater level (SWL) estimates for a 5-year storm in St. Johns County are shown in Table A-1 of Attachment 1 and range from 4.2 to 4.4 FT (NAVD88). The methodology used to calculate potential wave runup ranges from a 5-year storm is detailed in Appendix A of Attachment 1 and ranges from 7.8 to 10.9 FT NAVD88. SWL plus runup for a 5-year storm was estimated to range from 12.2 to 15.1 FT

(NAVD88) (See Attachment 1, Table A-1).

These estimated SWL plus runup values were compared to the post-Matthew dune elevations to determine the locations where the beach had eroded to a point where a 5-year flood could damage improved property.

The Applicant contracted with Constantine Engineering, Inc. the Engineer of Record (EOR) to analyze Pre-storm and Post-storm LiDAR Data that were obtained from the United States Army Corps of Engineers Joint Airborne LiDAR Bathymetry Technical Center of Expertise (USACE-JALBTCX). An analysis of the June (pre-Matthew) and Nov (post-Matthew) 2016 LiDAR profiles at each R-monument (approximately every 1,000 FT) was completed to determine the quantity of sand eligible for emergency berm replenishment using the following criteria:

Situation 1: Pre-Storm and Post-Storm Dune crests are above the SWL:

a. Where additional wave-run up (as shown in the modeling of a 5-Yr Storm) would exceed dune crest:

$Q = 6 \text{ CY / LF}$ or the sand necessary to restore the pre-storm profile, whichever is less.

b. Where additional wave-run up (as shown in modeling of a 5-Yr Storm) would not exceed the dune crest:

$Q = 0$ (No emergency sand berm is required to protect improved property from a 5-Yr storm.)

Situation 2: Pre-Storm Dune crest is above the SWL; Post-Storm Dune crest is below the SWL:

$Q =$ the quantity of sand necessary to reach SWL + 6 CY/LF or the quantity of sand necessary to go back to pre-storm profile, whichever is less.

Situation 3: Pre-Storm Dune crest is below SWL

$Q = 6 \text{ CY/LF}$ or the quantity of sand necessary to restore the pre-storm profile, whichever is less.

The EOR applied these criteria to each of the profiles to estimate the quantity of sand eligible for emergency placement. These quantities are shown on a reach by reach basis in Appendix B of Attachment 1.

The quantities are as follows:

BEACH REACH #1 – PONTE VEDRA BEACH I:

R-1: 30.252931, -81.380869

R-23: 30.191904, -81.364144

Approximate Length = 22,822 LF

Replacement Sand = 78,358 CY (3.4 CY / LF)

Endangered Improved Property: Ponte Vedra Boulevard is located approximately 200 to 300 FT inland from the dune system and homes are often located less than 150 FT inland. (See attached: Location Map #1, Reach #1).

BEACH REACH #2 – PONTE VEDRA BEACH II:

R-23: 30.191904, -81.364144

R-46: 30.127754, -81.347772

Approximate Length = 24,106 LF

Replacement Sand = 101,338 CY (4.2 CY / LF)

Endangered Improved Property: Ponte Vedra Boulevard, located less than 600 FT inland the dune system, and homes located less than 200 FT inland. (See attached: Location Map #2, Reach #2).

BEACH REACH #4 – SOUTH PONTE VEDRA BEACH I:

R-67: 30.068446, -81.333530

R-84: 30.020140, -81.322449

Approximate Length = 17,921 LF

Replacement Sand = 95,477 CY (5.3 CY / LF)

Endangered Improved Property: Ponte Vedra Boulevard (SR A1A) is located less than 200 FT inland from the dune system and homes are often located less than 100 FT inland. (See attached: Location Map #4, Reach #4).

BEACH REACH #5 – SOUTH PONTE VEDRA BEACH II:

R-84: 30.020140, -81.322449

R-100: 29.976017, -81.311119

Approximate Length = 16,447 LF

Replacement Sand = 45,291 CY (2.8 CY / LF)

Endangered Improved Property: SR A1A is located approximately 200 FT inland from the dune system, and many homes are located less than 100 FT inland. (See attached: Location Map #5, Reach #5).

BEACH REACH #6 – SOUTH PONTE VEDRA BEACH III:

R-100: 29.976017, -81.311119

R-117: 29.929128, -81.296217

Approximate Length = 17,703 LF

Emergency Sand Placement = 43,973 CY (2.5 CY / LF)

Endangered Improved Property: In some locations, SR A1A is located less than 150 FT from the Mean High Water (MHW) elevation and some homes are located less than 100 FT from MHW. (See attached: Location Map #6, Reach #6).

BEACH REACH #7 – VILANO BEACH:

R-117: 29.929128, -81.296217

R-122: 29.915056, -81.289811

Approximate Length = 5,508 LF

Emergency Sand Placement = 14,780 CY (2.7 CY / LF)

Endangered Improved Property: In some locations SR A1A is located less than 200 FT inland from the dune system and some homes are located less than 200 FT inland from the dune system. (See attached: Location Map #7, Reach #7).

BEACH REACH #10 – BUTLER BEACH:

R-151: 29.832208, -81.264581

R-173: 29.771939, -81.253489

Approximate Length = 22,272 LF
 Emergency Sand Placement = 65,483 CY (2.9 CY / LF)

Endangered Improved Property: Some local roads are located less than 400 FT inland from the dune system and some homes are located less than 400 FT inland. (See attached: Location Map #10, Reach #10).

BEACH REACH #11 – CRESCENT BEACH:

R-173: 29.771939, -81.253489

R-194: 29.717161, -81.230789

Approximate Length = 20,811 LF

Emergency Sand Placement = 95,416 CY (4.6 CY / LF)

Endangered Improved Property: In some locations, SR A1A is located less than 500 FT inland from the dune system, and homes are located less than 200 FT inland. (See attached: Location Map #11, Reach #11).

BEACH REACH #13 – SUMMER HAVEN BEACH:

R-197: 29.704106, -81.227547

R-209: 29.672008, -81.214031

Approximate Length = 7,976 LF (Not including the Summer Haven River Restoration Project)*

Emergency Sand Placement = 45,280 CY (5.7 CY / LF)

*This reach includes the Summer Haven River Restoration Project. This section is not included in this Project Worksheet.

Endangered Improved Property: In some locations, Hwy A1A is located less than 200 FT from MHW and some homes are located less than 150 FT from MHW (See attached: Location Map #13, Reach #13).

NOTE: As shown in Attachment 1, Appendix B, this project does not propose to place sand in front of the revetment (R-198.4 to R-200) or the uninhabited (R-200 to R-202) area where there is no improved property in need of protection.

The total quantity of sand (all beach reaches) required for emergency placement = 585,396 CY (See Attachment 1, Table 6)

Scope of Work:

PA-04-FL-4283-PW-01061(0):
 WORK TO BE COMPLETED

The Applicant intends to use Contract Services to install CAT B Emergency Berms constructed of 585,396 CY of beach compatible sand. These CAT B Emergency Berms will be designed to help protect improved property from a 5-year event.

COST ESTIMATE:

All-Inclusive Unit Costs calculated for each Beach Reach, based on average of proximate upland sources were completed by the Engineer of Record and are shown in Attachment 1, Table 6.

This cost estimate is based upon an investigation of sand sources conducted by the EOR in early 2017. The investigation determined native beach sand

characteristics on a reach by reach basis countywide, and searched for upland sand mines within a 50-60 mile distance from the proposed placement locations to develop a list of mines (and specific sand products) which could provide beach quality sands for each reach.

For the upland sand mines, operators provided typical material costs – updated in Jul 2017 – for their products (competitive bidding may reduce these material costs). Transportation costs were based on recent (pre-investigation) bids and contracted prices for truck haul projects. Placement costs were estimated considering beach access points and haul distance along the beach. Finally, experience with previous projects was used to estimate costs for permitting, design, bidding, and construction administration.

The Applicant intends to follow its Standard Procurement Policy Procedure for bidding/awarding contracts to complete the work necessary to complete this Project (See Attachment 3, St Johns County Procurement Policy).

In summary the estimated costs (low estimate) are as follows:

Placement Volume* = 585,396 CY

Approximate Unit Sand Cost** (Low Average) = \$24 / CY

In-Place Sand Cost** = \$13,815,890

Design, Construction Administration / Monitoring, Etc.*** = \$2,763,178

Total Estimated Total Sand Placement Costs (Low) = \$16,579,068.

Pre-Construction Engineering Support**** = \$210,417.75

Total Contract Costs

FEMA Cost Code 9001 = \$16,579,068. + \$210,417.75 = \$16,789,485.75

Estimate Notes:

*Estimated using the criteria detailed in the above Damage Description

**Includes material, transportation and placement

***Includes engineering, bidding, permitting, construction administration and monitoring

****Includes engineering report preparation and support through 2/28/18 (see Attachment 4A).

ENVIRONMENTAL COMPLIANCE:

The planned Project will be constructed under the required FDEP and US Army Corps of Engineers Permits. The permits for Hurricane Matthew Emergency Work have not been obtained, but are budgeted within the Project Cost Estimates prepared by the EOR. The Applicant intends to obtain all necessary permits prior to initiation of this Project.

Sand sources for this CAT B Emergency Berm Project have not been finalized. The Applicant intends to solicit bids from contractors who will use beach-compatible sand from previously used, approved, commercial upland sources that include: JAXPORT (Buck Island DMMA Mine), Vulcan Materials Company (Keystone, Keuka and Grandin Mines), Edgar Minerals (Edgar Mine), and Big Horse Aggregates (Big Horse Mine). Locations of these inland sand mines are shown in Attachment 5, Truck Haul Sand Sources.

Sand quality including grain size distribution and color will be monitored during construction.

NOTE: As shown in Attachment 1, Appendix B, this project does not propose to place sand in front of the revetment (R-198.4 to R-200) or the uninhabited (R-200 to R-202) area where there is no improved property in need of protection.

DIRECT ADMINISTRATIVE COSTS (DAC):

The Applicant is requesting reimbursement for DAC as follows and has included Attachment 6, SJC DAC Report. However, the Applicant is not able to provide additional documentation (tasks completed / dates) at this time and will provide this information when DAC is invoiced.

DAC = DAC To Date (Attachment 6) + Estimated DAC (Attachment 4B*)

*Note that "Ardurra estimate for DAC for the next year would be \$125,000" in Attachment 4B is not included in DAC because it is budgeted under "Design, Construction Administration / Monitoring, Etc." above.

DAC = \$30,028.66 + \$20,000 = \$50,028.56

Total Project Cost = Contract Costs + DAC = \$16,789,485.75 + \$50,028.56*

Total Project Cost = \$16,839,514.31

*See DAC discussion above.

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 (ESTIMATED): Per FEMA Policy, Direct Administrative Costs (DAC) are eligible for Cost Reimbursement when an Applicant incurs administrative cost to track, charge and account toward a specific eligible project, which includes but is not limited to collecting, copying, filing or submitting documents to FEMA in support of its damage claim and/or damage assessment during a site visit. In this Project Worksheet, the Applicant estimated its DAC and submitted insufficient supporting documentation to detail the tasks it intends to accomplish. Therefore, FEMA Management authorizes attachment of an Applicant supplied 9901-Direct Administrative Costs Form to this Grant Application without placement of DAC as a line item 9901 cost code in the Project Cost Section.

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.

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 Costs and Local material cost.

AUDIT STATEMENT: All documentation related to this project worksheet is subject to audit and must reflect disaster "C" related work and project "C" 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 – 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.

Hazard Mitigation Proposal

* Is effective mitigation feasible on this facility (site)?

No

If you answered **Yes** to the above question, the next question is required

Will mitigation be performed on this facility (site)?

If you answered **Yes** to the above question, the next question is required

Do you wish to attach a Hazard Mitigation Proposal?

If you answered **Yes** to the above question, the next two questions are required

Please provide the Scope of Work for the estimate:
(maximum 4000 characters)

Would you like to add the Hazard Mitigation Proposal as a cost line item to the project cost?

GIS Coordinates

Project Location	Latitude	Longitude
Northern End of Project at R-1	30.252931	-81.380869
Southern End of Project at R-209	29.672008	-81.214031

Special Considerations

1. Does the damaged facility or item of work have insurance coverage and/or is it an insurable risk (e.g., buildings, equipment, vehicles, etc)? No
2. Is the damaged facility located within a floodplain or coastal high hazard area and/or does it have an impact on a floodplain or wetland? Yes
3. Is the damaged facility or item of work located within or adjacent to a Coastal Barrier Resource System Unit or an Otherwise Protected Area? No
4. Will the proposed facility repairs/reconstruction change the pre-disaster conditions (e.g., footprint, material, location, capacity, use of function)? No
5. Does the applicant have a hazard mitigation proposal or would the applicant like technical assistance for a hazard mitigation proposal? No
6. Is the damaged facility on the National Register of Historic Places or the state historic listing? Is it older than 50 years? Are there more, similar buildings near the site? No
7. Are there any pristine or undisturbed areas on, or near, the project site? Are there large tracts of forestland? No
8. Are there any hazardous materials at or adjacent to the damaged facility and/or item of work? No
9. Are there any other environmental or controversial issues associated with the damaged facility and/or item of work? No

Attachments

User	Date	Document Type	Description	Hard Copy File Reference	File Name	Action
ROBERT GLASSEN	04-09-2018	Environmental/Historic Document	Potential Sand Sources		5 - Truck Haul Sand Sources.pdf(1.57 Mb)	View

Mitigation section is not applicable for your project category.

Cost Estimate

Is this Project Worksheet for

(Preferred) Repair									
Sequence	Code	Material and/or Description	Unit Quantity	Unit of Measure	Unit Price	Subgrant Budget Class	Type	Cost Estimate	Action
*** Version 0 ***									
Work To Be Completed									
1	9001	Contract	1	LS	\$ 16,789,485.75	CONSTRUCTION	Work To Be Completed	\$ 16,789,485.75	
Direct Subgrantee Admin Cost									

2	9901	Direct Administrative Costs (Subgrantee)	1	LS	\$ 50,028.56	INDIRECT CHARGES	Direct Subgrantee Admin Cost	\$ 50,028.56	
Total Cost : \$ 16,839,514.31									

Insurance Adjustments (Deductibles, Proceeds and Settlements) - 5900/5901									
Sequence	Code	Material and/or Description	Unit Quantity	Unit of Measure	Unit Price	Subgrant Budget Class	Type	Cost Estimate	Action
Total Cost : \$ 0.00									

Total Cost Estimate: (Preferred Estimate Type + Insurance Adjustments)		\$ 16,839,514.31
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Comments						
Attachments						
User	Date	Document Type	Description	Hard Copy File Reference	File Name	Action
ROBERT GLASSEN	04-09-2018	Additional Information	County Purchasing Procedures		3 - PurchasingManual.pdf(1.32 Mb)	View
ROBERT GLASSEN	04-09-2018	Calculation Sheet	Direct Administrative Costs		6 - SJC DAC report v2.xlsx(20.20 kb)	View
ROBERT GLASSEN	04-16-2018	Additional Information	Pre-Construction Engineering		4A - Engineering Support_\$210,417.75 R.PDF(338.35 kb)	View
ROBERT GLASSEN	04-16-2018	Additional Information	Estimated DAC		4B - SJC Beach project Estimated DAC.pdf(37.38 kb)	View

Existing Insurance Information

Insurance Type	Policy No.	Bldg/Property Amount	Content Amount	Insurance Amount	Deductible Amount	Years Required	Facility (Site) No.
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Comments						
Attachments						
User	Date	Document Type	Description	Hard Copy File Reference	File Name	Action
ALEXANDRA KIENKER	12-27-2017	Insurance Document	Flood Insurance Study		St John FIS Study Year 2011 12109CV000C 42517.pdf(7.31 Mb)	View

Comments and Attachments

Name of Section	Comment	Attachment
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Comments and Attachments

Damage Facilities

04/08/20 - Email from Kim Schoffel, FDEM to Annie Ford, FEMA.
Time Extension has been drafted and is pending GAR signature. -
Annie Ford, FEMA Florida FIT

[1 - Engineers Report on St Johns County CAT B.pdf](#)
(04-06-2018)

[2 - Beach Reach Location Maps 1 through 9.pdf](#) (04-06-2018)

Special Considerations

[5 - Truck Haul Sand Sources.pdf](#) (04-09-2018)

[3 - PurchasingManual.pdf](#)
(04-09-2018)

[6 - SJC DAC report v2.xlsx](#)
(04-09-2018)

Cost Estimate

[4A - Engineering Support \\$210,417.75 R.PDF](#)
(04-16-2018)

[4B - SJC Beach project Estimated DAC.pdf](#) (04-16-2018)

Insurance Information

[St John FIS Study Year 2011 12109CV000C 42517.pdf](#)
(12-27-2017)

Bundle Reference # (Amendment #)	Date Awarded
PA-04-FL-4283-PW-01061(1144)	04-07-2020

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	SCBAK40	109-99109-00	04-18-2018	B
APPLICANT: ST. JOHNS (COUNTY)						WORK COMPLETE AS OF: 04-04-2018 : 0 %		
Site 1 of 1								
DAMAGED FACILITY: Emergency Berms						COUNTY: St. Johns		
LOCATION:						LATITUDE:	LONGITUDE:	
PA-04-FL-4283-PW-01061(0): The project is located on the Atlantic coast intermittently between Florida Department of Environmental Protection (FDEP) Monuments R-1 and R-209.						29.672008 30.252931	-81.214031 -81.380869	
Northern End of Project at Monument R-1: 30.252931, -81.380869 Southern End of Project at Monument R-209: 29.672008, -81.214031								
As detailed in Attachment 1, Table 1, the length of the County from R-1 to R-209 can be separated into 13 beach reaches. However, this project excludes Reach 3 (Guana Tolomato Matanzas National Estuarine Research Reserve), Reach 8 (Anastasia State Park), Reach 9 (the federal St. Johns County Shore Protection Project) and Reach 12 (Ft. Matanzas National Monument). These sections are not the responsibility of the Applicant (St. Johns County).								

Current Version:

DAMAGE DESCRIPTION AND DIMENSIONS:

PA-04-FL-4283-PW-01061(0):

During the declared incident period from October 3, 2016, to October 19, 2016, Hurricane Matthew caused storm surge and wave action that resulted in beach and dune erosion in St. Johns County, Florida. A major disaster, DR-4283-FL, was declared on October 8, 2016.

Hurricane Matthew caused extensive erosion of the natural beach/dune system. Several substantial dune breaches resulted from the event, which led to widespread flooding in neighborhoods adjacent to the beach reaches that are the subject of this Project Worksheet.

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The two components for evaluation of potential future risk of a 5-year storm to improved property are: 1) Stillwater Elevation which is the summation of local astronomical tides and storm surge height estimated for a 5-year event; and 2) Wave Runup which is derived from computer modeling using wave data for a 5-year event.

Stillwater level (SWL) estimates for a 5-year storm in St. Johns County are shown in Table A-1 of Attachment 1 and range from 4.2 to 4.4 FT (NAVD88). The methodology used to calculate potential wave runup ranges from a 5-year storm is detailed in Appendix A of Attachment 1 and ranges from 7.8 to 10.9 FT NAVD88. SWL plus runup for a 5-year storm was estimated to range from 12.2 to 15.1 FT (NAVD88) (See Attachment 1, Table A-1).

These estimated SWL plus runup values were compared to the post-Matthew dune elevations to determine the locations where the beach had eroded to a point where a 5-year flood could damage improved property.

The Applicant contracted with Constantine Engineering, Inc. the Engineer of Record (EOR) to analyze Pre-storm and Post-storm LiDAR Data that were obtained from the United States Army Corps of Engineers Joint Airborne LiDAR Bathymetry Technical Center of Expertise (USACE-JALBTCX). An analysis of the June (pre-Matthew) and Nov (post-Matthew) 2016 LiDAR profiles at each R-monument (approximately every 1,000 FT) was completed to determine the quantity of sand eligible for emergency berm replenishment using the following criteria:

Situation 1: Pre-Storm and Post-Storm Dune crests are above the SWL:

a. Where additional wave-run up (as shown in the modeling of a 5-Yr Storm) would exceed dune crest:

Q = 6 CY / LF or the sand necessary to restore the pre-storm profile, whichever is less.

b. Where additional wave-run up (as shown in modeling of a 5-Yr Storm) would not exceed the dune crest:

Q = 0 (No emergency sand berm is required to protect improved property from a 5-Yr storm.)

Situation 2: Pre-Storm Dune crest is above the SWL; Post-Storm Dune crest is below the SWL:

Q = the quantity of sand necessary to reach SWL + 6 CY/LF or the quantity of sand necessary to go back to pre-storm profile, whichever is less.

Situation 3: Pre-Storm Dune crest is below SWL

Q = 6 CY/LF or the quantity of sand necessary to restore the pre-storm profile, whichever is less.

The EOR applied these criteria to each of the profiles to estimate the quantity of sand eligible for emergency placement. These quantities are shown on a reach by reach basis in Appendix B of Attachment 1.

The quantities are as follows:

BEACH REACH #1 – PONTE VEDRA BEACH I:

R-1: 30.252931, -81.380869

R-23: 30.191904, -81.364144

Approximate Length = 22,822 LF

Replacement Sand = 78,358 CY (3.4 CY / LF)

Endangered Improved Property: Ponte Vedra Boulevard is located approximately 200 to 300 FT inland from the dune system and homes are often located less than 150 FT inland. (See attached: Location Map #1, Reach #1).

BEACH REACH #2 – PONTE VEDRA BEACH II:

R-23: 30.191904, -81.364144

R-46: 30.127754, -81.347772

Approximate Length = 24,106 LF

Replacement Sand = 101,338 CY (4.2 CY / LF)

Endangered Improved Property: Ponte Vedra Boulevard, located less than 600 FT inland the dune system, and homes located less than 200 FT inland. (See attached: Location Map #2, Reach #2).

BEACH REACH #4 – SOUTH PONTE VEDRA BEACH I:

R-67: 30.068446, -81.333530
R-84: 30.020140, -81.322449
Approximate Length = 17,921 LF
Replacement Sand = 95,477 CY (5.3 CY / LF)

Endangered Improved Property: Ponte Vedra Boulevard (SR A1A) is located less than 200 FT inland from the dune system and homes are often located less than 100 FT inland. (See attached: Location Map #4, Reach #4).

BEACH REACH #5 – SOUTH PONTE VEDRA BEACH II:

R-84: 30.020140, -81.322449
R-100: 29.976017, -81.311119
Approximate Length = 16,447 LF
Replacement Sand = 45,291 CY (2.8 CY / LF)

Endangered Improved Property: SR A1A is located approximately 200 FT inland from the dune system, and many homes are located less than 100 FT inland. (See attached: Location Map #5, Reach #5).

BEACH REACH #6 – SOUTH PONTE VEDRA BEACH III:

R-100: 29.976017, -81.311119
R-117: 29.929128, -81.296217
Approximate Length = 17,703 LF
Emergency Sand Placement = 43,973 CY (2.5 CY / LF)

Endangered Improved Property: In some locations, SR A1A is located less than 150 FT from the Mean High Water (MHW) elevation and some homes are located less than 100 FT from MHW. (See attached: Location Map #6, Reach #6).

BEACH REACH #7 – VILANO BEACH:

R-117: 29.929128, -81.296217
R-122: 29.915056, -81.289811
Approximate Length = 5,508 LF
Emergency Sand Placement = 14,780 CY (2.7 CY / LF)

Endangered Improved Property: In some locations SR A1A is located less than 200 FT inland from the dune system and some homes are located less than 200 FT inland from the dune system. (See attached: Location Map #7, Reach #7).

BEACH REACH #10 – BUTLER BEACH:

R-151: 29.832208, -81.264581
R-173: 29.771939, -81.253489
Approximate Length = 22,272 LF
Emergency Sand Placement = 65,483 CY (2.9 CY / LF)

Endangered Improved Property: Some local roads are located less than 400 FT inland from the dune system and some homes are located less than 400 FT inland. (See attached: Location Map #10, Reach #10).

BEACH REACH #11 – CRESCENT BEACH:

R-173: 29.771939, -81.253489
R-194: 29.717161, -81.230789
Approximate Length = 20,811 LF
Emergency Sand Placement = 95,416 CY (4.6 CY / LF)

Endangered Improved Property: In some locations, SR A1A is located less than 500 FT inland from the dune system, and homes are located less than 200 FT inland. (See attached: Location Map #11, Reach #11).

BEACH REACH #13 – SUMMER HAVEN BEACH:

R-197: 29.704106, -81.227547
R-209: 29.672008, -81.214031
Approximate Length = 7,976 LF (Not including the Summer Haven River Restoration Project)*
Emergency Sand Placement = 45,280 CY (5.7 CY / LF)

*This reach includes the Summer Haven River Restoration Project. This section is not included in this Project Worksheet.

Endangered Improved Property: In some locations, Hwy A1A is located less than 200 FT from MHW and some homes are located less than 150 FT from

MHW (See attached: Location Map #13, Reach #13).

NOTE: As shown in Attachment 1, Appendix B, this project does not propose to place sand in front of the revetment (R-198.4 to R-200) or the uninhabited (R-200 to R-202) area where there is no improved property in need of protection.

The total quantity of sand (all beach reaches) required for emergency placement = 585,396 CY (See Attachment 1, Table 6)

Current Version:

SCOPE OF WORK:

PA-04-FL-4283-PW-01061(0):
WORK TO BE COMPLETED

The Applicant intends to use Contract Services to install CAT B Emergency Berms constructed of 585,396 CY of beach compatible sand. These CAT B Emergency Berms will be designed to help protect improved property from a 5-year event.

COST ESTIMATE:

All-Inclusive Unit Costs calculated for each Beach Reach, based on average of proximate upland sources were completed by the Engineer of Record and are shown in Attachment 1, Table 6.

This cost estimate is based upon an investigation of sand sources conducted by the EOR in early 2017. The investigation determined native beach sand characteristics on a reach by reach basis countywide, and searched for upland sand mines within a 50-60 mile distance from the proposed placement locations to develop a list of mines (and specific sand products) which could provide beach quality sands for each reach.

For the upland sand mines, operators provided typical material costs – updated in Jul 2017 – for their products (competitive bidding may reduce these material costs). Transportation costs were based on recent (pre-investigation) bids and contracted prices for truck haul projects. Placement costs were estimated considering beach access points and haul distance along the beach. Finally, experience with previous projects was used to estimate costs for permitting, design, bidding, and construction administration.

The Applicant intends to follow its Standard Procurement Policy Procedure for bidding/awarding contracts to complete the work necessary to complete this Project (See Attachment 3, St Johns County Procurement Policy).

In summary the estimated costs (low estimate) are as follows:

Placement Volume* = 585,396 CY

Approximate Unit Sand Cost** (Low Average) = \$24 / CY

In-Place Sand Cost** = \$13,815,890

Design, Construction Administration / Monitoring, Etc.*** = \$2,763,178

Total Estimated Total Sand Placement Costs (Low) = \$16,579,068.

Pre-Construction Engineering Support**** = \$210,417.75

Total Contract Costs

FEMA Cost Code 9001 = \$16,579,068. + \$210,417.75 = \$16,789,485.75

Estimate Notes:

*Estimated using the criteria detailed in the above Damage Description

**Includes material, transportation and placement

***Includes engineering, bidding, permitting, construction administration and monitoring

****Includes engineering report preparation and support through 2/28/18 (see Attachment 4A).

ENVIRONMENTAL COMPLIANCE:

The planned Project will be constructed under the required FDEP and US Army Corps of Engineers Permits. The permits for Hurricane Matthew Emergency Work have not been obtained, but are budgeted within the Project Cost Estimates prepared by the EOR. The Applicant intends to obtain all necessary permits prior to initiation of this Project.

Sand sources for this CAT B Emergency Berm Project have not been finalized. The Applicant intends to solicit bids from contractors who will use beach-compatible sand from previously used, approved, commercial upland sources that include: JAXPORT (Buck Island DMMA Mine), Vulcan Materials Company (Keystone, Keuka and Grandin Mines), Edgar Minerals (Edgar Mine), and Big Horse Aggregates (Big Horse Mine). Locations of these inland sand mines are shown in Attachment 5, Truck Haul Sand Sources.

Sand quality including grain size distribution and color will be monitored during construction.

NOTE: As shown in Attachment 1, Appendix B, this project does not propose to place sand in front of the revetment (R-198.4 to R-200) or the uninhabited (R-200 to R-202) area where there is no improved property in need of protection.

DIRECT ADMINISTRATIVE COSTS (DAC):

The Applicant is requesting reimbursement for DAC as follows and has included Attachment 6, SJC DAC Report. However, the Applicant is not able to provide additional documentation (tasks completed / dates) at this time and will provide this information when DAC is invoiced.

DAC = DAC To Date (Attachment 6) + Estimated DAC (Attachment 4B*)

*Note that "Arduurra estimate for DAC for the next year would be \$125,000" in Attachment 4B is not included in DAC because it is budgeted under "Design, Construction Administration / Monitoring, Etc." above.

DAC = \$30,028.66 + \$20,000 = \$50,028.56

Total Project Cost = Contract Costs + DAC = \$16,789,485.75 + \$50,028.56*

Total Project Cost = \$16,839,514.31

*See DAC discussion above.

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 (ESTIMATED): Per FEMA Policy, Direct Administrative Costs (DAC) are eligible for Cost Reimbursement when an Applicant incurs administrative cost to track, charge and account toward a specific eligible project, which includes but is not limited to collecting, copying, filing or submitting documents to FEMA in support of its damage claim and/or damage assessment during a site visit. In this Project Worksheet, the Applicant estimated its DAC and submitted insufficient supporting documentation to detail the tasks it intends to accomplish. Therefore, FEMA Management authorizes attachment of an Applicant supplied 9901-Direct Administrative Costs Form to this Grant Application without placement of DAC as a line item 9901 cost code in the Project Cost Section.

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.

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 Costs and Local material cost.

AUDIT STATEMENT: All documentation related to this project worksheet is subject to audit and must reflect disaster "C related work and project "C 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 -- 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.

Current Version:

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	1/LS	\$ 16,789,485.75	\$ 16,789,485.75
		Direct Subgrantee Admin Cost			
2	9901	Direct Administrative Costs (Subgrantee)	1/LS	\$ 50,028.56	\$ 50,028.56
				TOTAL COST	\$ 16,839,514.31
PREPARED BY ROBERT C GLASSEN		TITLE Project Specialist	SIGNATURE		
APPLICANT REP. Jesse Dunn		TITLE Director OMB	SIGNATURE		

ST. JOHNS (COUNTY) : PA-04-FL-4283-PW-01061

Conditions Information

Review Name	Condition Type	Condition Name	Description	Monitored	Status
Final Review	Other (EHP)	Standard Condition #2	This review does not address all federal, state and local requirements. Acceptance of federal funding requires recipient to comply with all federal, state and local laws. Failure to obtain all appropriate federal, state and local environmental permits and clearances may jeopardize federal funding.	No	Approved
Final Review	Other (EHP)	Standard Condition #1	Any change to the approved scope of work will require re-evaluation for compliance with NEPA and other Laws and Executive Orders.	No	Approved
Final Review	Other (EHP)	National Historic Preservation Act (NHPA)	NHPA CONDITION: Any changes to the approved scope of work will require submission to, evaluation, and approval by the State of Florida and FEMA prior to initiation of any work, for compliance with Section 106 of the NHPA.	No	Approved
Final Review	Other (EHP)	National Historic Preservation Act (NHPA)	NHPA CONDITION: Prior to conducting repairs, applicant must identify the source and location of fill material and provide this information to FDEM and FEMA. If the borrow pit is privately owned, or is located on previously undisturbed land, or if the fill is obtained by the horizontal expansion of a pre-existing borrow pit, FEMA consultation with the State Historic Preservation Officer will be required. Failure to comply with this condition may jeopardize FEMA funding; verification of compliance will be required at project closeout.	No	Approved

ST. JOHNS (COUNTY) : PA-04-FL-4283-PW-01061**Conditions Information**

Final Review	Other (EHP)	Standard Condition #3	If ground disturbing activities occur during construction, applicant will monitor ground disturbance and if any potential archeological resources are discovered, will immediately cease construction in that area and notify the State and FEMA.	No	Approved
Final Review	Other (EHP)	National Historic Preservation Act (NHPA)	NHPA CONDITION: If human remains or intact archaeological deposits are uncovered, work in the vicinity of the discovery will stop immediately and all reasonable measures to avoid or minimize harm to the finds will be taken. The applicant will assure that archaeological discoveries are secured in place, that access to the sensitive area is restricted, and that all reasonable measures are taken to avoid further disturbance of the discoveries. The applicant's contractor will provide immediate notice of such discoveries to the applicant. The applicant will contact the Florida Division of Historical Resources and FEMA within 24 hours of the discovery. Work in the vicinity of the discovery may not resume until FEMA has completed consultation with the State Historic Preservation Office, tribes, and other consulting parties as necessary. If unmarked human remains are encountered during permitted activities, all work will stop immediately, and the proper authorities will be notified in accordance with Florida Statutes, Section 872.05.	No	Approved
Final Review	Other (EHP)	Coastal Zone Management Act (CZMA)	CZMA CONDITION: The subgrantee is responsible for coordinating with and obtaining any required permit(s) from FDEP Bureau of Beaches and Coastal Systems. Subgrantee must obtain a Joint Coastal Permit (JCP) permit prior to initiating work or verification that no permit was required. The subgrantee shall comply with all conditions of the required permit. All coordination pertaining to these activities should be documented and compliance maintained in their permanent files. Best Management Practice's (BMP's) should be followed. Failure to comply with these conditions may jeopardize FEMA funding; verification of compliance will be required at project closeout.	No	Approved

ST. JOHNS (COUNTY) : PA-04-FL-4283-PW-01061**Conditions Information**

Final Review	Other (EHP)	Clean Water Act (CWA)	CWA CONDITION: The subgrantee is responsible for coordinating with and obtaining any required Section 404 permit(s) from the United States Army Corps of Engineers (USACE) and 401 permit(s) from the responsible state or tribal agency prior to initiating work. The subgrantee shall comply with all conditions and pre-construction notification requirements of the required permit(s), including any applicable regional conditions. All coordination pertaining to these activities or compliance with applicable permits must be documented and maintained in the subgrantee's permanent files. Copies must be forwarded to the Recipient (state or tribal EMA) and FEMA as part of the permanent project file. Failure to comply with this requirement may jeopardize receipt of federal funds.	No	Approved
Final Review	Other (EHP)	National Historic Preservation Act (NHPA)	NHPA CONDITION: Construction vehicles and equipment will be stored onsite during the project or at existing access points within the applicant's right-of-way.	No	Approved
EHP Review	Other (EHP)	Standard Condition #3	If ground disturbing activities occur during construction, applicant will monitor ground disturbance and if any potential archeological resources are discovered, will immediately cease construction in that area and notify the State and FEMA.	No	Recommended
EHP Review	Other (EHP)	Standard Condition #2	This review does not address all federal, state and local requirements. Acceptance of federal funding requires recipient to comply with all federal, state and local laws. Failure to obtain all appropriate federal, state and local environmental permits and clearances may jeopardize federal funding.	No	Recommended
EHP Review	Other (EHP)	Standard Condition #1	Any change to the approved scope of work will require re-evaluation for compliance with NEPA and other Laws and Executive Orders.	No	Recommended
EHP Review	Other (EHP)	National Historic Preservation Act (NHPA)	NHPA CONDITION: Any changes to the approved scope of work will require submission to, evaluation, and approval by the State of Florida and FEMA prior to initiation of any work, for compliance with Section 106 of the NHPA.	No	Recommended
EHP Review	Other (EHP)	National Historic Preservation Act (NHPA)	NHPA CONDITION: Prior to conducting repairs, applicant must identify the source and location of fill material and provide this information to FDEM and FEMA. If the borrow pit is privately owned, or is located on previously undisturbed land, or if the fill is obtained by the horizontal expansion of a pre-existing borrow pit, FEMA consultation with the State Historic Preservation Officer will be required. Failure to comply with this condition may jeopardize FEMA funding; verification of compliance will be required at project closeout.	No	Recommended

ST. JOHNS (COUNTY) : PA-04-FL-4283-PW-01061**Conditions Information**

EHP Review	Other (EHP)	National Historic Preservation Act (NHPA)	NHPA CONDITION: Construction vehicles and equipment will be stored onsite during the project or at existing access points within the applicant's right-of-way.	No	Recommended
EHP Review	Other (EHP)	National Historic Preservation Act (NHPA)	NHPA CONDITION: If human remains or intact archaeological deposits are uncovered, work in the vicinity of the discovery will stop immediately and all reasonable measures to avoid or minimize harm to the finds will be taken. The applicant will assure that archaeological discoveries are secured in place, that access to the sensitive area is restricted, and that all reasonable measures are taken to avoid further disturbance of the discoveries. The applicant's contractor will provide immediate notice of such discoveries to the applicant. The applicant will contact the Florida Division of Historical Resources and FEMA within 24 hours of the discovery. Work in the vicinity of the discovery may not resume until FEMA has completed consultation with the State Historic Preservation Office, tribes, and other consulting parties as necessary. If unmarked human remains are encountered during permitted activities, all work will stop immediately, and the proper authorities will be notified in accordance with Florida Statutes, Section 872.05.	No	Recommended
EHP Review	Other (EHP)	Clean Water Act (CWA)	CWA CONDITION: The subgrantee is responsible for coordinating with and obtaining any required Section 404 permit(s) from the United States Army Corps of Engineers (USACE) and 401 permit(s) from the responsible state or tribal agency prior to initiating work. The subgrantee shall comply with all conditions and pre-construction notification requirements of the required permit(s), including any applicable regional conditions. All coordination pertaining to these activities or compliance with applicable permits must be documented and maintained in the subgrantee's permanent files. Copies must be forwarded to the Recipient (state or tribal EMA) and FEMA as part of the permanent project file. Failure to comply with this requirement may jeopardize receipt of federal funds.	No	Recommended

ST. JOHNS (COUNTY) : PA-04-FL-4283-PW-01061**Conditions Information**

EHP Review	Other (EHP)	Coastal Zone Management Act (CZMA)	CZMA CONDITION: The subgrantee is responsible for coordinating with and obtaining any required permit(s) from FDEP Bureau of Beaches and Coastal Systems. Subgrantee must obtain a Joint Coastal Permit (JCP) permit prior to initiating work or verification that no permit was required. The subgrantee shall comply with all conditions of the required permit. All coordination pertaining to these activities should be documented and compliance maintained in their permanent files. Best Management Practices (BMPs) should be followed. Failure to comply with these conditions may jeopardize FEMA funding; verification of compliance will be required at project closeout.	No	Recommended
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Internal Comments

No.	Queue	User	Date/Time	Reviewer Comments
13	Award Review	QUARLES TERRY	04-07-2020 06:58 PM GMT	SF-424 has been submitted
12	OLA Review	SYSTEM	04-03-2020 01:05 AM GMT	DHS Section 507 embargo until April 3, 2020.
11	OLA Review	BROMLEY-WENGER STACY	04-01-2020 01:18 PM GMT	DHS Section 507 embargo until April 3, 2020.
10	OLA Review	BROMLEY-WENGER STACY	03-30-2020 05:46 PM GMT	Public Assistance Division (HQ) has reviewed and approved the following Subgrant Application.
9	OLA Review	BROMLEY-WENGER STACY	03-30-2020 05:45 PM GMT	Public Assistance Division (HQ) has reviewed and approved the following Subgrant Application.
8	OLA Review	KIMBALL ROBERT	03-30-2020 03:36 PM GMT	Public Assistance Division (HQ) has reviewed and approved the following Subgrant Application.
7	Grantee Review	GIPSON DARRYN	12-13-2019 02:44 PM GMT	12/13/2019 Dgipson- APPROVED- Grantee deems application eligible

Internal Comments

No.	Queue	User	Date/Time	Reviewer Comments
6	EHP Review	HYATT LARISSA	11-08-2019 05:10 PM GMT	SOW: St. Johns (County), (county-wide), Category B, 0% Complete, Total Cost: \$16,839,514.31, Applicant will install emergency beach berms along a total of nine (9) beach reaches, spanning approximately 30.6 miles within a 41.5-mile stretch of coastline, by placing approximately 585,396 CY of beach-compatible sand from upland sources between FDEP reference monuments R-1 (30.252931, -81.380869) on the north end and R-209 (29.672008, -81.214031) on the south end. The Applicant intends to complete the sand replacement in conjunction with sand loss from DR-4337-FL, Hurricane Irma. - acalhou2 - 11/08/2019 16:39:44 GMT CBRA: Per consultation with USFWS conducted on 01/04/2019. USFWS concurrence with this determination was received, dated 02/04/2019. See attached correspondence. - acalhou2 - 11/08/2019 16:50:11 GMT CWA: SEE CONDITIONS. - acalhou2 - 11/08/2019 16:51:13 GMT CZMA: Consistency review by Florida Clearinghouse completed on September 6, 2019. SEE CONDITION. - acalhou2 - 11/08/2019 16:51:42 GMT EO 11990: A review of the National Wetland Inventory (NWI) online mapper, accessed on 12/29/2018, indicates that portions of the project may be located within a designated wetland. 8-Step completed as part of the EO 11988 review. - acalhou2 - 11/08/2019 16:55:24 GMT ESA: Per USFWS PBO dated 04/03/2008 regarding beach berms, the proposed project falls under Conservation Measures. SEE CONDITIONS. - acalhou2 - 11/08/2019 16:45:42 GMT MBTA: Per attached BO (ESA), the applicant is required to comply with FL Fish and Wildlife Commissions Nesting Bird Guidelines. Applicant permitting also includes monitoring, reporting, and conservation requirements for birds. - acalhou2 - 11/08/2019 16:53:02 GMT MSA: No hardbottom or submerged aquatic vegetation present in project area. - acalhou2 - 11/08/2019 16:53:15 GMT EO 11988: The project is located in a Zone VE per St. Johns County FIRM Panel # 12109C0019J, 12109C0082J, 12109C0101J, 12109C0103J, 12109C0111J, 12109C0113J, 12109C0204J, 12109C0212J, 12109C0214J, 12109C0302J, 12109C0306J, 12109C0308J, 12109C0316J, 12109C0384J, 12109C0392J, 12109C0394J, 12109C0413J, 12109C0501J, 12109C0503J, 12109C0511J, and 12109C0512J, dated 12/07/2018. See 8-step checklist attached. - acalhou2 - 11/08/2019 16:53:41 GMT NHPA: FEMA has determined that there will be No Adverse Effect to historic properties. SHPO concurrence with this determination was received, dated 05/21/2019. SEE CONDITIONS. - acalhou2 - 11/08/2019 16:44:51 GMT
5	Initial Review (EHP Rework)	WALL DAVID	10-16-2018 12:40 PM GMT	SCBAK40 - Emergency Berms : PA-04-FL-4283-PW-01061(0) P is resubmitted back to EHP.
4	Initial Review (EHP Rework)	WALL DAVID	10-16-2018 12:38 PM GMT	SCBAK40 - Emergency Berms : PA-04-FL-4283-PW-01061(0) P is resubmitted back to EHP after QAQC policy evaluation. dgw 07-07-18
3	Initial Review (EHP Rework)	WALL DAVID	09-18-2018 11:27 AM GMT	SCBAK40 - Emergency Berms : PA-04-FL-4283-PW-01061(0) P is resubmitted back to EHP after QAQC policy evaluation. dgw 07-07-18
2	Initial Review (EHP Rework)	WALL DAVID	07-06-2018 05:16 PM GMT	SCBAK40 - Emergency Berms : PA-04-FL-4283-PW-01061(0) P is resubmitted back to EHP after QAQC policy evaluation. dgw 07-07-18

Internal Comments

No.	Queue	User	Date/Time	Reviewer Comments
1	Initial Review	WALL DAVID	04-18-2018 07:12 PM GMT	Emergency Berms : PA-04-FL-4283-PW-01061(0) is determined eligible in initial review.

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