



Charlotte County Grant Administrative Approval

Department Making Request:
Public Works-Engineering

Grant Coordinator Assigned:
April K. Santos

Fiscal Contact Assigned:
Kaitlin Rodriguez

Requested Action:

Approve grant application to Florida Dept of Environmental Protection(FDEP)-Beach Management Funding Assistance Program for FY 21/22 in the amount of \$1,094,456.00 for the reimbursement of work associated with the Charlotte County Erosion Control and Manasota Key Beach Restoration Projects. Est. total project cost for FY 21/22 is \$4,294,001.00.

Is this item budgeted? ☒ Yes ☐ No

Budget Action:

No action needed. A budget amendment will be brought to the Board for approval if awarded. There is a local cost share of 63.5% of the total cost.

Financial Impact Summary Statement:

Funding for this expense will come from the Florida department of Environmental Protection (FDEP), Federal share will be provided by the Federal Emergency Management Agency (FEMA) and the local cost share will be provided using funds from Boater Improvement Fund, Tourist Development Council, Stump Pass/Beach Nourishment MSTU, Manasota Key MSBU, and Don Pedro-Knight Island MSBU.

Background: (Why is the Action Necessary, and What Action will be accomplished)

We are requesting approval to apply for approximately \$1,094,456.00 of funding from the FDEP Beach Management Funding Assistance Program for FY 21/22. We also expect Federal funding in the amount of \$1,224,000.00. The total project cost is estimated at \$4,294,001.00 for this funding cycle. Local match required of approximately \$1,975,545.00 to be determined based on the final amount of funding awarded. The deadline to apply for the grant is September 30, 2020. Funds will be used for reimbursement FY 21/21 Design, Monitoring, and Construction tasks for work associated with the Charlotte County Erosion Control Project and Manasota Key Beach Restoration.

Grant Checklist Attached?

☒ Yes ☐ No

Risk Assessment Attached?

☒ Yes ☐ No

Delegation Resolution Attached?

☐ Yes ☒ No

Signatures:

County Administrator [Signature] for Hector Flores Date: 9/25/20

Department Director	Fiscal Services	County Attorney	Grant Compliance
<u>[Signature]</u> Date: 9-22-2020	Vargas, Digitally signed by Vargas, Zinnia Date: 2020.09.22 15:21:43 -04'00'	<u>[Signature]</u> Date: 9/25/20	Lilly, Digitally signed by Lilly, Cheryl Date: 2020.09.22 18:03:48 -04'00'

LR20-0632 PSP



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PART I: GENERAL INFORMATION

Local Sponsor

Local Sponsor Federal ID Number (FEID)

Contact Name

Title

Mailing Address Line 1

Mailing Address Line 2

City

Zip Code

Telephone Number

Email Address

Additional Contact Information

PART II: CERTIFICATION

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

Signature of Local Sponsor

Electronic or scanned signatures accepted.

Printed Name

Date

Attest:

Roger D. Eaton, Clerk of the
Circuit Court and Ex-officio
Clerk of the Board of County
Commissioners

By: 

Deputy Clerk

APPROVED AS TO FORM AND
LEGAL SUFFICIENCY:


COUNTY ATTORNEY

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PART III: EVALUATION CRITERIA

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

Manasota Key Beach Restoration Project and Charlotte County Erosion Control Project

2. Project Description: Include county, location with reference to FDEP range monuments, brief project history, and description of proposed activities. (Note: The box will expand as needed. To expand for printing purposes, click anywhere outside the box when complete.)

Introduction

The Project includes providing erosion control and shoreline stabilization measures including beach nourishment, maintenance dredge bypassing, and stabilizing structures for over eight miles of eroding gulf and inlet shorelines within the Manasota Barriers, Sarasota County and Charlotte County (Attachment A). The northern Project Boundary shall be located at Florida Department of Environmental Protection (FDEP) Reference Monument (R-monument) R173.4 in Sarasota County, extending south along Manasota Key for 1.91 miles including the Blind Pass Beach Park, to the Charlotte/Sarasota County line at R183.7, less a 0.60 mile GAP between R177.5 and R180.7, for a total length in Sarasota County of 1.31 miles. The Project continues from R1 in Charlotte County, extending south along Manasota Key for 3.84 miles including the Englewood Beach Park and Stump Pass Beach State Park, to Stump Pass, less a 0.24 mile GAP between R13.2 and R14.4, for a total length in Charlotte County of 3.60 miles. The Project continues on Palm-Knight-Bocilla-Don Pedro Islands extending from approximately 1,200 feet northeast of R22 along Stump Pass' southern inlet shoreline and then along the gulf-front shoreline to the southern southern Project Boundary located approximately 500 feet south of R40, equal to 3.57 miles. The total length of shoreline within the Project boundary is approximately 44,787 feet exclusive of the GAPS. The total length of shoreline within the Project boundary that is designated critically eroding by FDEP is approximately 38,423 feet (R173.4 to R21.2, 500 feet of inlet shoreline, and R28 to R40.5).

The Projects are consistent with the State's Strategic Beach Management Plan and the Stump Pass Inlet Management Plan including these components:

- Renourish critically eroding beaches on Manasota Key;
- Maintain sand placed on Stump Pass Beach State Park to mitigate for inlet maintenance impacts;
- Place available sand from maintenance dredging on updrift and downdrift shorelines of Stump Pass;
- Maintain stabilizing structure at south end of Manasota Key;
- Address hot-spot maintenance or storm impacts using upland sand sources; and
- Maintain project through renourishment using sand from bypassing and offshore sources.

Key Features for FY21-22

The following are the key features for FY21-22:

- Renourish Updrift and North Beach Fills (approved for FEMA post-storm recovery assistance from Hurricane Irma-2017)
- Maintenance dredge Stump Pass on its 4-Year Cycle
- Conduct first year annual monitoring of Manasota Key and South Beach Fill projects.

Please see attached Location Map.



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3. Use of Requested Program Funds: Provide a brief description of tasks to be completed in each requested phase (Feasibility, Design, Construction, and/or Monitoring). Indicate which tasks are cost reimbursement, if the work has already been completed.

UBF / NBF Renourishment Design & Permitting:

UBF / NBF Renourishment Construction:

MK Annual Physical and Biological Monitoring:

4. Map: Provide as an attachment. The map(s) of the project area must be formatted at a minimum of 1" = 200' scale.

Map elements must include:

- Compass rose with North arrow, scale, and legend.
- Project boundary, including the length of critically eroded shoreline
- FDEP range monuments
- Beach access: indicate primary or secondary access, and include the access width, number and location of parking spaces, bus stops, bike racks, and public restroom facilities
- Public lodging establishments: include the width fronting the project shoreline (for recreational benefits ranking points and eligibility determination), and include the length of street-side frontage within one-quarter mile walking distance of a secondary public access point (for eligibility determination)
- Comprehensive list of current land use designations of properties along the project shoreline (for recreational benefits ranking points)
- Include one-quarter mile buffer and provide a comprehensive list of the values of properties that are enclosed or intersected by the buffer (for value of upland property ranking points)

5. Project length: Total restored project length (in feet) of the critically eroded area (as listed in the Strategic Beach Management Plan).

38,423 ft exclusive of GAPS



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6. Eligibility: Public Beach Access and Public Lodging Establishments (required for all beach projects pursuant to 62B-36, F.A.C.)

- Location/Name: Use the official name of the park or the name of the street end that is associated with the public access.
- R-Monument: Use the DEP Range Monument that is closest to the main public access point.
- Type of Access: Indicate "Primary" or "Secondary" beach access in accordance with the definitions in Rule 62B-36, F.A.C.
- Width of Access/Frontage: The length of the legal boundary (in feet) of the public access location along the beach (project shoreline). For public lodging establishments that do not front the beach, indicate the street-side length of the legal property boundary (in feet) that is used as the main access to the establishment.
- Total Public Units:
 - Public lodging: The number of rooms available for public use divided by the total number of rooms in the establishment.
 - Parking spaces: Total number of public parking spaces that are available for use at the public access location.
- Additional Width from Eligibility Units: Total distance added to the shoreline width of a public access location. If there are various types of eligibility units used for this calculation, provide the names of the eligibility units and show the calculation separately.
- Eligible Shoreline: Sum of the Width of Access/Frontage and the Additional Width from Eligibility Units columns. Eligible shorelines cannot overlap.
- DBPR License: Provide the link to the Department of Business and Professional Regulation (DBPR) website for proof of licensure for any public lodging establishments used for eligibility or the Recreational Benefits ranking points (include separately, if needed).

Location/Name	R-Monument	Type of Access	Width of Access/Frontage	Total Public Units or Parking Spaces	Additional Width from Eligibility Unit	Eligible Shoreline (feet)	Website Link for DBPR License
BLIND PASS BEACH PARK	R176.4	Primary	3176	260	870	4046	
Sunset Beach Rentals (fka Kc)	R1.7	Secondary	113	11		113	https://www.myflorid
ENGLEWOOD BEACH PARK	R10	Primary	1905	312	5175	7080	
STUMP PASS STATE PARK	R16	Secondary	5780	65	951	6731	
ACCESSES A,B,C,D,E	R29-R38	Secondary	35	180	9504	9539	
					TOTAL	27,509	



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7. Schedule and Budget:

- **Cost Reimbursement:** Specify eligible costs incurred during the three years prior to the current application's fiscal year that have not been reimbursed. Eligible costs will be included in the funding request for the current application.
- **Current and Future Costs:** Specify eligible costs for the current application's fiscal year that are not in a current DEP agreement and have not been reimbursed. Include the estimated costs for the next 5 years and the proposed phases for the next 10 years.

Year	Phase	Description	Total Estimated Cost	Federal Cost Share	State Cost Share	Local Cost Share
18/19						
18/19						
18/19						
18/19						
18/19						
18/19						
18/19						
18/19						
18/19						
18/19						
18/19						
18/19						
Year	Phase	Description	Total Estimated Cost	Federal Cost Share	State Cost Share	Local Cost Share
19/20						
19/20						
19/20						
19/20						
19/20						
19/20						
19/20						
19/20						
19/20						
19/20						
19/20						



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Year	Phase	Description	Total Estimated Cost	Federal Cost Share	State Cost Share	Local Cost Share
20/21						
20/21						
20/21						
20/21						
20/21						
20/21						
20/21						
20/21						
20/21					35.65%	
20/21						
20/21						
Year	Proposed Phase	Description	Total Estimated Cost	Federal Cost Share	State Cost Share	Local Cost Share
21/22	Design	Inlet Bypass, UBF & NBF Renourishment	\$43,000	\$0	\$15,330	\$27,671
21/22	Monitoring	Manasota Key and South Beach Annual Monitoring (Yr 1)	\$542,000	\$0	\$193,223	\$348,777
21/22	Construction	Inlet Bypass, UBF & NBF Renourishment	\$3,709,000	\$1,224,000	\$885,903	\$1,599,097
21/22						
21/22						
21/22						
21/22						
21/22						
21/22						
21/22						
21/22						
Year	Proposed Phase	Description	Total Estimated Cost	Federal Cost Share	State Cost Share	Local Cost Share
22/23	Monitoring	Mana Key & South Beach (Yr 2), UBF & NBF (Yr 1)	\$678,000	\$0	\$241,707	\$436,293
22/23						



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22/23						
22/23						
22/23						
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22/23						
22/23						
22/23						
22/23						
22/23						
22/23						
Year	Proposed Phase	Description	Total Estimated Cost	Federal Cost Share	State Cost Share	Local Cost Share
23/24	Monitoring	Mana Key & South Beach (Yr 3), UBF & NBF (Yr 2)	\$679,000	\$0	\$242,064	\$436,937
23/24						
23/24						
23/24						
23/24						
23/24						
23/24						
23/24						
23/24						
23/24						
23/24						
23/24						
Year	Proposed Phase	Description	Total Estimated Cost	Federal Cost Share	State Cost Share	Local Cost Share
24/25	Design	Inlet Bypass, UBF & NBF Renourishment	\$47,000	\$0	\$16,756	\$30,245
24/25	Monitoring	UBF & NBF (Yr 3)	\$130,000	\$0	\$46,345	\$83,655
24/25						
24/25						
24/25						
24/25						
24/25						



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24/25						
24/25						
24/25						
24/25						
Year	Proposed Phase	Description	Total Estimated Cost	Federal Cost Share	State Cost Share	Local Cost Share
25/26	Construction	Inlet Bypass, UBF & NBF Renourishment	\$4,015,000	\$0	\$1,431,348	\$2,583,653
25/26						
25/26						
25/26						
25/26						
25/26						
25/26						
25/26						
25/26						
25/26						
25/26						
25/26						
25/26						
Year	Proposed Phase	Description	Total Estimated Cost	Federal Cost Share	State Cost Share	Local Cost Share
26/27	Monitoring	UBF & NBF (Yr 1)				
26/27						
26/27						
26/27						
26/27						
26/27						
26/27						
26/27						
26/27						
26/27						
26/27						



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Year	Proposed Phase	Description	Total Estimated Cost	Federal Cost Share	State Cost Share	Local Cost Share
27/28	Design	Mana Key & South Beach Renourishment				
27/28	Monitoring	UBF & NBF (Yr 2)				
27/28						
27/28						
27/28						
27/28						
27/28						
27/28						
27/28						
27/28						
27/28						
Year	Proposed Phase	Description	Total Estimated Cost	Federal Cost Share	State Cost Share	Local Cost Share
28/29	Design	Inlet Bypass, UBF & NBF Renourishment				
28/29	Monitoring	UBF & NBF (Yr 3)				
28/29	Construction	Mana Key & South Beach Renourishment				
28/29						
28/29						
28/29						
28/29						
28/29						
28/29						
28/29						
28/29						
Year	Proposed Phase	Description	Total Estimated Cost	Federal Cost Share	State Cost Share	Local Cost Share
29/30	Monitoring	Mana Key & South Beach (Yr 1)				
29/30	Construction	Inlet Bypass, UBF & NBF Renourishment				



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29/30						
29/30						
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29/30						
29/30						
29/30						
29/30						
29/30						
Year	Proposed Phase	Description	Total Estimated Cost	Federal Cost Share	State Cost Share	Local Cost Share
30/31	Monitoring	Mana Key & South Beach (Yr 2), UBF & NBF (Yr 1)				
30/31						
30/31						
30/31						
30/31						
30/31						
30/31						
30/31						
30/31						
30/31						
30/31						
30/31						

8. Tourism-related impacts: Criteria is calculated by the Department. For reference, tax data can be obtained from the Department of Revenue website: [https://floridarevenue.com/taxes/pages/colls from 7 2003.aspx](https://floridarevenue.com/taxes/pages/colls_from_7_2003.aspx).

- ☐ Current funding request includes construction and year one post-construction monitoring
- ☐ Project is managed by two or more counties

Additional comments

Project is managed by Charlotte and Sarasota Counties through an Interlocal Agreement. Please see attached.



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9. Federal involvement: The documentation to verify authorization, federal cost share percentage, and status of funding award must be provided with the application materials for the award of points.

Is the project Federally authorized by the USACE?

Authorization Year: Expiration Year:

Does this project have a signed USACE Chief's report for authorization of the requested phase?

USACE federal cost share percentage for this project (excluding FCCE):

Select all that apply for the requested project phase(s):

- ☐ Executed USACE project agreement
- ☐ Included in USACE work plan
- ☒ Approved FEMA Project Worksheet
- ☐ Included in Congressional Appropriations Act
- ☐ Other documentation:

Please see attached PW for Hurricane Irma that included the 2020 South Beach Renourishment and includes the 2021 UBF and NBF Renourishment.

10. Storm damage reduction benefits: Criteria is calculated by the Department.

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

For restoration projects, what is the historical erosion rate?

11. Cost effectiveness: Criteria is calculated by the Department. A project design analysis and supporting documentation must be provided with the application materials for the award of points.

What is the proposed sand placement volume (cy)?

What is the nourishment interval (years)?

Select all that apply for the current project funding request:

- ☐ Enhanced longevity: Propose structural or design components that could extend the beach nourishment interval
- ☐ Dune addition: Incorporate new or enhanced dune structures or new or existing dune restoration and revegetation projects
- ☐ Innovative technology: Propose innovative technologies designed to reduce project costs
- ☒ Regionalization: Two or more local sponsors manage projects together or projects propose regional sediment management strategies to conserve sand resources or reduce project costs



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Additional comments
for storm damage
reduction benefits and
cost effectiveness

Interlocal Agreement between Charlotte and Sarasota Counties for the regionalization of the Project is attached.

12. Previous state commitment

Has the Department previously reviewed, approved, and cost-shared on a feasibility or design phase for this project?

Has the current proposed project phase(s) received a partial appropriation within 3 years of phase completion?

Additional comments

13. Accessible beach area: Criteria is calculated by the Department. Provide data to be considered for the calculation.

Describe the landward and seaward edge of the accessible beach width

CEC utilized the ECL & design templates for MK and SBF to compute the accessible beach area added by the project, defined as the alongshore length and cross-shore width. CEC utilized the 2017 pre-construction &

Provide the project boundaries (R-monuments)

MK: SA: R173.4-R177.5, R180.7-R183.7; CH: R1-R13.2, R14.4-R15.3
SB: R28 to R40.5
SPBSP: R15.3-R21.2

Provide citations of reference sources

ECL by CEC (December 2019) & Construction Monitoring/Surveys by CEC (2020) for MK & SBF. Construction Monitoring/Surveys by CEC (2016-2017, 2020) for SPBSP (R15.3 to R21.2)

14. Recreational benefits: Provide the percentage of linear footage within the project boundaries which is zoned recreational or open space; for commercial use; or to allow for public lodging establishment, or the equivalent.

Blind Pass Park (3,176') + Sunset Beach Rentals (113') + Englewood Beach Park (1,905') + (Stump Pass Beach State Park (6,731') + WCIND Lots (200') = 12,125' / 38,423' = 31.6%

15. Mitigation of inlet effects: Criteria is calculated by the Department.

Additional comments



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16. Successive unfunded requests

Is the current proposed project phase(s) a successive, unfunded request? If so, how many years of successive request(s) is the current application?

Does the successive request add the construction phase?

17. Environmental habitat enhancement: Criteria is calculated by the Department.

Is the project within a designated critical habitat area for threatened or endangered species that is subject to extensive shoreline armoring?

Is the project within a non-designated area where extensive shoreline armoring threatens the habitat of threatened or endangered species?

If yes to either of the above, does the project exceed best management practices to incorporate turtle-friendly designs and management strategies to protect resources or benefit critical habitat preservation?

Provide an explanation and supporting documentation for the strategies which exceed best management practices

18. Readiness to construct

Does the project have an active state permit?

Yes

Does the project have an active federal permit?

Yes

Permit number

ECP:0194790-017-JC; MK:0359636-002

Permit number

ECP:1997-05200 (SP-MMB); MK:1997-05

Authorization date

ECP: 9/2015; MK: 5/2019

Authorization date

ECP: 2/2016; MK: 1/2020

Expiration date

ECP: 9/2030; MK: 5/2034

Expiration date

ECP: 2/2031; MK: 1/2035

Have all necessary easements been acquired for the upcoming or proposed construction phase?

Yes

Has the necessary local funding been secured for the proposed project? If so, provide a copy of the draft Resolution. The signed Resolution is due by November 20, 2020.

Yes

Is an Erosion Control Line established along the project length?

Yes

Additional comments

Quarterly reports were submitted on time.



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Provide additional information and comments below or attach separate documents.