

RESOLUTION NO. 2020- 456

**A RESOLUTION BY THE BOARD OF COUNTY COMMISSIONERS OF ST. JOHNS COUNTY, FLORIDA, APPROVING THE TERMS AND AUTHORIZING THE COUNTY ADMINISTRATOR, OR DESIGNEE, TO SUBMIT A BUDGET PLAN TO THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF COASTAL RESILIENCE AND COASTAL PROTECTION, AS REQUIRED TO SUPPORT A LOCAL GOVERNMENT FUNDING REQUEST TO SUPPORT A U.S. ARMY CORPS OF ENGINEERS FEASIBILITY STUDY FOR A NEW SECTION 103 CONTINUING AUTHORITIES PROJECT IN PORPOISE POINT.**

**WHEREAS**, St. Johns County is currently working with the U.S. Army Corps of Engineers (USACE) and the Florida Department of Environmental Protection (FDEP) to start a U.S. Army Corps of Engineers Feasibility Study for a new Section 103 Continuing Authorities Project (“Project”) in Porpoise Point; and,

**WHEREAS**, St. Johns County will provide local cost share funding from the Category V Tourist Development Tax Budget in the Fiscal Year 2021 budget; and,

**WHEREAS**, St. Johns County has entered into a Federal Cost Share Agreement to serve as the local sponsor; and,

**WHEREAS**, the FDEP has begun a new grant cycle and St. Johns County has submitted an annual Local Government Funding Request (LGFR) to the Florida Department of Environmental Protection, Office of Coastal Resilience and Coastal Protection for the State share of costs associated with the Project; and,

**WHEREAS**, the LGFR application requires a Resolution from the County to affirm the Long Range Budget Plan for the Project; and,

**WHEREAS**, the FDEP requires an annual contract for its local share, contingent upon annual appropriations by the legislature.

**NOW THEREFORE BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF ST. JOHNS COUNTY, FLORIDA, AS FOLLOWS:**

Section 1. The above Recitals are incorporated by reference into the body of this Resolution and such Recitals are adopted as findings of fact.

Section 2. A suggested Budget Plan for funding the State’s portion of the Project shall be filed with the Florida Department of Environmental Protection, Office of Coastal Resilience and Coastal Protection (the “Department”).

Section 3. The County Administrator, or designee, is hereby authorized to submit a proposed Budget Plan to the Department substantially in the form attached and to execute any necessary agreements concerning the beach projects with the Department, upon a finding of legal sufficiency by the Office of the County Attorney.

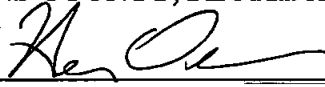
Section 4. The County Administrator’s, or designee’s, submission of any budget plan is subject to, and contingent upon, an annual budget appropriation by the Board of County

Commissioners.

Section 5. To the extent that there are typographical and/or administrative errors and/or omissions that do not change the tone, tenor, or content of this Resolution, then this Resolution may be revised without subsequent approval of the Board of County Commissioners.

**PASSED AND ADOPTED** by the Board of County Commissioners of St. Johns County, State of Florida, this 17<sup>th</sup> day of November 2020

**BOARD OF COUNTY COMMISSIONERS OF ST.  
JOHNS COUNTY, FLORIDA**

By: 

Henry Dean, Vice Chairman

**ATTEST: Brandon J. Patty**  
Clerk of the Circuit Court & Comptroller

By:   
Deputy Clerk

RENDITION DATE 11/19/20





Beach Management Funding Assistance Program  
FY 2021/22 Local Government Funding Request  
Inlet Projects Application

**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  Digitally signed by Damon Douglas  
Date: 2020.09.30 17:17:30 -04'00'

*Electronic or scanned signatures accepted.*

Printed Name

Date



Beach Management Funding Assistance Program  
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**PART III: EVALUATION CRITERIA**

**1. Project Name:** As listed in the Inlet Management Plan (IMP) or Strategic Beach Management Plan (SBMP)

Porpoise Point CAP Feasibility Study

**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.

The eastern end of Porpoise Point along the northern shoreline of St. Augustine Inlet has experienced severe sand loss over the last several years. Erosion along the south side of the north inlet jetty and complete erosion of the sand dunes at the end of Porpoise Point Drive threaten upland properties and infrastructure and exacerbate upland drainage issues. The USACE, authorized to maintain the St. Augustine Inlet north jetty, has received funds to conduct a feasibility study under the Continuing Authorities Program (CAP) to determine a long-term solution for stabilizing Porpoise Point and, hence, protecting the north jetty.

The USACE has finished its federal interest determination and determined there is a federal interest in performing a feasibility study. Per the cost share agreement executed on August 28, 2020 the USACE and the County will each pay 50% of the remaining \$650,000 cost of the feasibility study. The feasibility study should take 18-24 months to recommend a project. At that time the USACE would present a Project Partnership Agreement for design and construction, at a 65:35 federal:non-federal cost share, of the recommended project. The CAP project cost is limited to \$15.4M.



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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.

Funds requested for FY2021/22 will help match the non-federal cost share of a feasibility study to be conducted by USACE.

**4. Map:** Provide as an attachment to the application. The map 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 location of the inlet and length of critically eroded shoreline
- FDEP range monuments
- Area of inlet influence
- Permitted sand bypassing placement area

**5. Project length:** Total restored project boundary (in feet) as listed in the IMP or SBMP

The current shoreline length is about 1/2 mile. The USACE feasibility will confirm.

**6. 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		n/a				
18/19						
18/19						
18/19						
18/19						
Year	Phase	Description	Total Estimated Cost	Federal Cost Share	State Cost Share	Local Cost Share



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Year	Phase	Description	Total Estimated Cost	Federal Cost Share	State Cost Share	Local Cost Share
19/20		n/a				
19/20						
19/20						
19/20						
19/20						
Year	Phase	Description	Total Estimated Cost	Federal Cost Share	State Cost Share	Local Cost Share
20/21		n/a				
20/21						
20/21						
20/21						
20/21						
Year	Proposed Phase	Description	Total Estimated Cost	Federal Cost Share	State Cost Share	Local Cost Share
21/22	Feasibility	Porpoise Point Feasibility study	\$650,000	\$325,000	\$243,750	\$81,250
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		Future phases to be determined from feasibility study				
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						



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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						
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						
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						
26/27						
26/27						
26/27						
26/27						
Year	Proposed Phase	Description	Total Estimated Cost	Federal Cost Share	State Cost Share	Local Cost Share
27/28						
27/28						
27/28						
27/28						



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27/28						
Year	Proposed Phase	Description	Total Estimated Cost	Federal Cost Share	State Cost Share	Local Cost Share
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						
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						
30/31						
30/31						
30/31						
30/31						
30/31						





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**7. Sand reaching the inlet**

Provide the estimated annual quantity (cubic yards) of beach quality sand reaching the updrift boundary of the improved jetty or inlet channel:

248,800

**8. Severity of erosion**

What is the annual bypassing objective (cubic yards/year) adopted by the IMP or SBMP or as determined by a Department-approved study?

278,000

**9. Balancing the sediment budget**

What is the current annual average of bypassed material (cubic yards) since the adoption of a bypass objective?

See Attached

Provide a brief description of when the last sediment budget engineering analysis was completed for the inlet and area of inlet influence. Discuss any proposals to update the sediment budget.

The FDEP adopted a new sediment budget for St. Augustine Inlet on Jan 17, 2014.



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**Historical bypassing volumes:** In the table below, provide the annual bypassing volumes (cubic yards/year), for the previous ten years (from the last calendar year or the most recent calculation). Attach additional documentation as needed.

Year	Quantity Bypassed (cy) - Sand Transfer Plant	Quantity Bypassed (cy) - Dredging	Dredge Location	Placement or Disposal Area
2008	See Attached Table			
2009				
2010				
2011				
2012				
2013				
2014				
2015				
2016				
2017				
2018				
2019				
<b>Total per method</b>				

Total bypass volume

Years since IMP adoption

Annual average bypass

Bypass objective

Percentage of bypass objective



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10. Increased bypassing and cost-effectiveness

Provide the estimated increase in annual bypassing of sand (cubic yards/year) proposed for the project:

The CAP project is expected to address measures to make the St. Augustine Inlet north jetty more efficient, thereby reducing sand trapping by the inlet and, in turn, decreasing the sand bypassing requirement.

Provide the estimated shortfall of annual bypassing of sand (cubic yards/year) within the inlet system:

Shortfall = 278,000 - 172,417 = 105,583 cy

Is the proposed project requesting construction phase funds for a major inlet management project component? No

If yes, and for the award of points for the cost-effectiveness of using inlet sand criteria, provide an opinion of probable cost per unit volume of the inlet and all other sand sources, certified by a licensed professional engineer.

11. Inlet Management Plans

Select all that apply:

- Existing IMP: The proposed project has an existing IMP or completed Inlet Management Study that has been approved by the Department.
Updated IMP: The Department has received and approved an update to an existing IMP in the form of a current Inlet Management Study/sediment budget analysis within the previous five years, or there is an update proposed to an existing IMP in the current application.
New IMP: A new inlet management study is proposed for submission to the Department for an adoption in an IMP.

12. Enhanced longevity of proximate beach nourishment projects: Criteria is calculated by the Department.

Annualized beach nourishment volume of proximate beach nourishment project:

[Empty box for annualized beach nourishment volume]

13. Active permits

Does the project have an active state permit? No

Does the project have an active federal permit? No

Permit number

Permit number

Authorization date

Authorization date

Expiration date

Expiration date



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**14. Federal funds available**

Does the proposed project have federal funds available? If so, provide supporting documentation.

Yes

**15. Secured local funds**

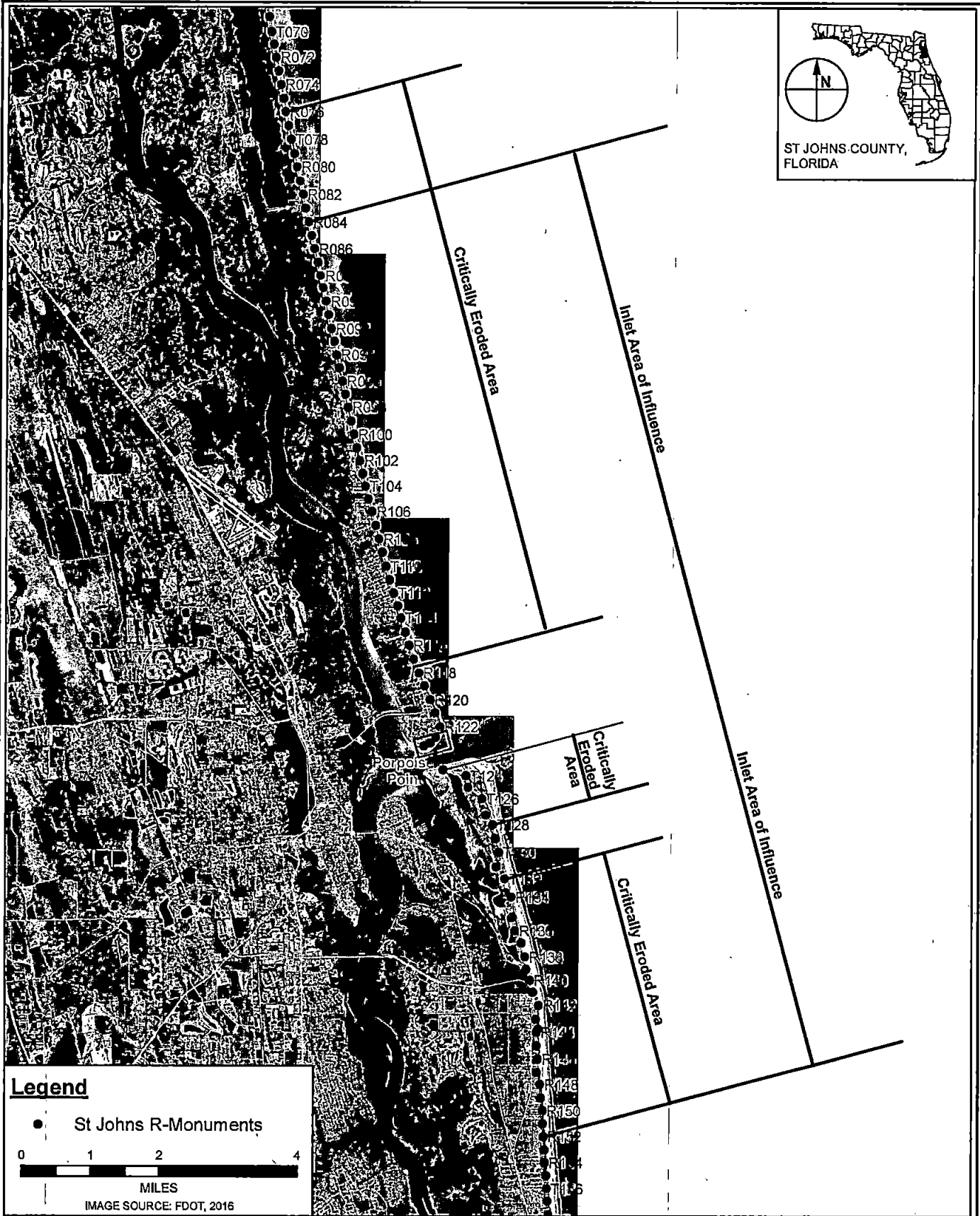
Has the necessary local funding been secured for the proposed project? If so, provide a copy of the draft Resolution. The signed Resolution is due by November 20, 2020.

Yes

Additional  
comments

A large empty rectangular box intended for providing additional comments or supporting documentation.

St. Augustine Inlet, Historical bypassing volumes, 2010-2019			
Year	Dredging/bypass volume	Dredge location	Placement area
	cy		
2010	-		
2011	-		
2012	2,100,000	Inlet, ebb shoal	St. Augustine SPP
	122,600	ICWW	Anatasia State Park
2013	-		
2014	-		
2015	150,000	Inlet	Vilano nearshore, R114-R117
2016	-		
2017	137,300	Inlet, ICWW	Vilano R113-R117
2018	747,200	Inlet, ebb shoal	St. Augustine SPP
2019	-		
Total bypass volume, cy	3,257,100		
Total bypass volume, cy, since IMP adoption	1,034,500		
Years since IMP adoption	6		
Average bypass, cy/yr	325,710	since 2010	
	172,417	since IMP adoption	
Bypass objective, cy/yr	510,000	before 2014	
	278,000	current	
Percent of bypass objective	100%	since 2010	
	62%	since IMP adoption	
Shortfall, cy/yr	-	since 2010	
	105,583	since IMP adoption	



**Legend**

- St Johns R-Monuments

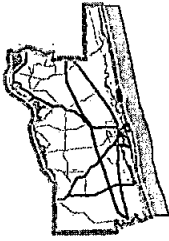
0 1 2 4  
MILES  
IMAGE SOURCE: FDOT, 2016

**TAYLOR ENGINEERING INC.**  
 10199 SOUTHSIDE BOULEVARD  
 SUITE 310  
 JACKSONVILLE, FL 32256  
 CERTIFICATE OF AUTHORIZATION # 4815

SAINT AUGUSTINE INLET  
 ST JOHNS COUNTY, FLORIDA

PROJECT	P2018-045
DRAWN BY	WKL
SHEET	
DATE	JULY 2018

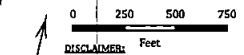
Map Panel Index



Legend	
	Range Monuments
	Land Use 2014
	Residential
	Commercial and Services
	Industrial
	Extractive
	Institutional
	Recreational
	Open Land
	Agriculture
	Upland Non-Forests
	Coniferous Forests
	Tree Plantation
	Water
	Wetlands Hardwood
	Wetlands Cocciferous
	Wetlands Mixed
	Wetlands Non-Forested
	Wetlands Non-Vegetated
	Barren Land
	Transportation, Communication and Utilities
	Not Categorized

**Land Use Designations**  
**Porpoise Point**

Land use designations from  
St. Johns River Water Management District's  
2014 Land Use / Land Cover Data



**DISCLAIMER:** Feet  
This map is for reference use only. Data provided are derived from multiple sources with varying levels of accuracy. The St. Johns County GIS Division disclaims all responsibility for the accuracy or completeness of the data shown hereon.  
Map Prepared: 7/28/2018 [17727]

