

A RESOLUTION OF THE BOARD OF COUNTY COMMISSIONERS OF ST. JOHNS COUNTY, FLORIDA, AUTHORIZING THE SUBMISSION OF A LONG RANGE BEACH EROSION CONTROL BUDGET PLAN WITH THE DEPARTMENT OF ENVIRONMENTAL PROTECTION, BUREAU OF BEACHES AND COASTAL SYSTEMS.

WHEREAS, St. Johns County has entered into a Project Cooperation Agreement with the U.S. Army Corps of Engineers for the renourishment of 2.5 miles of critically eroded shoreline located from the southerly 4,000 feet of Anastasia State Park and continuing southerly within the City of St. Augustine Beach; and,

WHEREAS, St. Johns County has executed a Project Agreement with the Florida Department of Environmental Protection for funding \$2,509,599 as its share of the St. Johns County Beach Initial Restoration Project; and,

WHEREAS, St. Johns County has committed \$1,418,483 as its share of the initial restoration project available from the Tourist Development Tax Category III; and,

WHEREAS, the Department of Environmental Protection has agreed to pay 100% of the cost of nourishing the beach located in Anastasia State Park and to make available 50% of the funds necessary for placing sand on the shoreline for the remainder of the project through the State of Florida Beach Erosion Control Program; and,

WHEREAS, the continuing local funding for this 50 year project will be made available from the Category III Tourist Development Tax budget.

NOW THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF ST. JOHNS COUNTY, FLORIDA;

Section (1). That a suggested 10 year budget plan for funding the States portion of the 2.5 mile beach nourishment project including other eligible beach projects be filed with the Florida Department of Environmental Protection, Bureau of Beaches and Coastal Systems (the "Department"); and,

Section (2). That the County Administrator is hereby authorized to submit the proposed 10 year State budget plan to the Department and to execute any necessary agreements concerning the beach projects with the Department.

PASSED AND ENACTED by the Board of County Commissioners of St. Johns County, State of Florida, this 20th day of March, 2001.

BOARD OF COUNTY COMMISSIONERS
OF ST. JOHNS COUNTY, FLORIDA

BY: Mary F. Kohnke
Mary F. Kohnke, Chair

ATTEST: CHERYL STRICKLAND, CLERK

BY: Patricia DeGrande
Deputy Clerk

ST. AUGUSTINE BEACH NOURISHMENT PROJECT

Project Description: The project consists of the restoration and maintenance of 2.5 miles of critically eroded shoreline downdrift of the St. Augustine Inlet from the southerly 4000 feet of Anastasia State Park to south of 'F' Street in St. Augustine Beach. It is anticipated that the project will begin in FY 2001 with the local and state shares presently available for construction. The U.S. Army Corps of Engineers currently has some \$5 million available and the remaining \$10 million is anticipated from Congress in its 2002 budget.

The borrow source for the project is located north of the St. Augustine Inlet and the site contains sufficient material for the initial placement of 3.5 million cubic yards and for periodic nourishment at 5 year intervals. In addition it is anticipated that borrow from periodic inlet dredging can be placed in critical areas during the life of this 50 year project to decrease some of the anticipated cost. According to the approved Inlet Management Plan prepared by Taylor Engineering, Inc., additional material being trapped annually will provide needed borrow material in the future.

This project is set to begin with the receipt of the final federal funding.

Location: St. Johns County, R 137 southerly to R150

Project Evaluation:

Severity of Erosion: Based upon the Corps of Engineers General Reevaluation report, some 261,000 cubic yards of sand is being lost yearly over this 2.5 mile stretch of beach. Due to the varied upland characteristics within the project, this length may be characterized in three reaches. The northernmost reach extends along 4,000 feet at the south end of Anastasia State Park. The central reach extends along 4,800 foot length of seawall/revetment, some of which is inundated at higher tides. This revetment protects several multi-story condominiums and hotels, as well as many private residences and apartments. The southern reach extends 4,300 feet and consists of an unarmored shoreline fronting single-family homes, motels and condominiums.

Benefits: Some 33% or 4,400 feet involves public parks or local access points. The numerous street ends provide additional access points. The attached map identifies public beach access points with associated parking, and hotels, restaurants and other commercial facilities within the project area. This entire 13,100 foot area is all tourist related. This project could also provide additional habitat for the Anastasia Beach Mouse and other threatened or endangered species. It is anticipated that endangered marine turtles can utilize the entire project area for nesting once initial nourishment is completed. The average annual equivalent benefits of the project would be approximately \$4,801,000.

Project Performance: This beach nourishment project is being designed to meet or exceed a 5

year nourishment cycle. This project incorporates a 30 foot vegetated dune feature and requires annual monitoring.

Federal Funding: This project was originally authorized by the federal government in 1986 and was reauthorized by Congress in the 1999 WRDA bill for a 50 year project raising the original cap on the project. The federal share of this project has been set at 76.9 percent of the total cost, since the damaged area has been attributed to the construction of the inlet by the U.S. Army Corps of Engineers. The remaining cost of this project will be shared by the County and State. A copy of the 50 year schedule of federal and non-federal expenditures is attached.

Uses of Innovative Technology: The project will be initially constructed using conventional beach fill methods. It is possible that as the project progresses, innovative technology could be used , especially by incorporating the periodic inlet dredging with the 5 year nourishment intervals.

Local Commitment: St. Johns County has contracted with a professional coastal engineering firm to assist with this project. This firm has established the erosion control line and has secured the necessary permits for the project. This firm will also be available to monitor the project and to advise the County on issues. Local funding for the project will be obtained from the St. Johns County Tourist Development Tax. This project is also included in the County's Capital Improvement Plan. This project is in compliance with the St. Johns County Comprehensive Plan and with Sections 161.091, 161.101 and 161.161 Florida Statutes. An Escrow Agreement was approved by the Board of Commissioners on February 27, 2001.

State Commitment: The State and County currently have contracted for a commitment of \$2,590,599 for the initial construction of this project. The Department of Environmental Protection has indicated a willingness to pay 100% of the local share for the 4,000 feet located in Anastasia State Park. The DEP has also participated in sand placement from the inlet dredging project and from the removal of the shoal at the entrance to Salt Run. This spoil was placed in the critically eroded area. The project area has been identified by the Department as an area of critical beach erosion.

LONG RANGE BUDGET PLAN
St. Johns County Shore Protection Project

FY 2002-33

Project Task	Total	Estimated Project Costs		
		Federal	State	Local
Post Monitoring	\$176,000	\$	\$115,333	\$60,667
Dune Walkovers	100,000		50,000	50,000

FY 2003-04

Project Task	Total	Estimated Project Costs		
		Federal	State	Local
Monitoring	\$186,000	\$	\$121,878	\$64,122
Dune Walkovers	100,000		50,000	50,000

FY 2004-05

Project Task	Total	Estimated Project Costs		
		Federal	State	Local
Monitoring	\$228,000	\$	\$149,385	\$78,615

FY 2005-06

Project Task	Total	Estimated Project Costs		
		Federal	State	Local
Monitoring	\$124,000	\$	\$81,223	\$42,777

FY 2006-07

Project Task	Total	Estimated Project Costs		
		Federal	State	Local
Permitting/Design	\$597,000	\$481,000	\$76,000	\$40,000
Monitoring	144,000		72,000	72,000

FY 2007-08

Project Task	Total	Estimated Project Costs		
		Federal	State	Local
Maintenance Nourishment	\$10,295,000	\$8,287,000	\$1,316,000	\$692,000

FY 2008-09

Project Task	Total	Estimated Project Costs		
		Federal	State	Local
Post Monitoring	\$226,000	\$	\$148,088	\$77,912

FY 2009-10

Project Task	Total	Estimated Project Costs		
		Federal	State	Local
Monitoring	\$237,000	\$	\$155,267	\$81,733

FY 2010-11

Project Task	Total	Estimated Project Costs		
		Federal	State	Local
Monitoring	\$291,000	\$	\$190,732	\$100,268

FY 2011-12

Project Task	Total	Estimated Project Costs		
		Federal	State	Local
Monitoring	\$158,000	\$	\$103,640	\$54,360
Permitting/Design	736,000	593,000	94,000	49,000

ATTACHMENT A

SCHEDULE OF FEDERAL AND NON-FEDERAL EXPENDITURES

(\$1,000'S)

FISCAL YEAR	TOTAL PROJECT COST	FEDERAL LERR&D	NON-FED LERR&D	CONST	PCT NON-FED	FEDERAL	LOCAL	STATE
99 & Prior	1,850	0	0	1,850	0.83%	0	0	0
00	3,565	140	34	3,391	1.52%	1,056	364	692
01	13,330	0	0	13,330	5.98%	2,599	896	1,703
02	0	0	0	0	0.00%	0	0	0
03	0	0	0	0	0.00%	0	0	0
04	0	0	0	0	0.00%	0	0	0
05	597	0	0	597	0.27%	116	40	76
06	10,295	0	0	10,295	4.62%	2,008	692	1,316
07	0	0	0	0	0.00%	0	0	0
08	0	0	0	0	0.00%	0	0	0
09	0	0	0	0	0.00%	0	0	0
10	736	0	0	736	0.33%	143	49	94
11	11,565	0	0	11,565	5.19%	2,255	777	1,478
12	0	0	0	0	0.00%	0	0	0
13	0	0	0	0	0.00%	0	0	0
14	0	0	0	0	0.00%	0	0	0
15	900	0	0	900	0.40%	176	61	115
16	13,392	0	0	13,392	6.01%	2,611	900	1,711
17	0	0	0	0	0.00%	0	0	0
18	0	0	0	0	0.00%	0	0	0
19	0	0	0	0	0.00%	0	0	0
20	1,096	0	0	1,096	0.49%	214	74	140
21	16,005	0	0	16,005	7.18%	3,121	1,076	2,045
22	0	0	0	0	0.00%	0	0	0
23	0	0	0	0	0.00%	0	0	0
24	0	0	0	0	0.00%	0	0	0
25	1,333	0	0	1,333	0.60%	260	90	170
26	19,093	0	0	19,093	8.57%	3,723	1,283	2,440
27	0	0	0	0	0.00%	0	0	0
28	0	0	0	0	0.00%	0	0	0
29	0	0	0	0	0.00%	0	0	0
30	1,621	0	0	1,621	0.73%	316	109	207
31	22,748	0	0	22,748	10.21%	4,436	1,529	2,907
32	0	0	0	0	0.00%	0	0	0
33	0	0	0	0	0.00%	0	0	0
34	0	0	0	0	0.00%	0	0	0
35	1,973	0	0	1,973	0.89%	385	133	252
36	27,069	0	0	27,069	12.15%	5,279	1,820	3,459
37	0	0	0	0	0.00%	0	0	0
38	0	0	0	0	0.00%	0	0	0
39	0	0	0	0	0.00%	0	0	0
40	2,400	0	0	2,400	1.08%	468	161	307
41	32,181	0	0	32,181	14.44%	6,275	2,163	4,112
42	0	0	0	0	0.00%	0	0	0
43	0	0	0	0	0.00%	0	0	0
44	0	0	0	0	0.00%	0	0	0
45	2,920	0	0	2,920	1.31%	570	196	374
46	38,231	0	0	38,231	17.15%	7,489	2,581	4,908
TOTAL	222,900	140	34	222,726	99.94%	43,500	14,994	28,506