

RESOLUTION NO: 2005 - 296

**A RESOLUTION OF THE BOARD OF COUNTY
COMMISSIONERS OF ST. JOHNS COUNTY, FLORIDA
AUTHORIZING THE COUNTY ADMINISTRATOR, OR DESIGNEE,
TO SUBMIT A LONG-RANGE
BEACH EROSION CONTROL BUDGET PLAN WITH
THE DEPARTMENT OF ENVIRONMENTAL PROTECTION,
BUREAU OF BEACHES AND COASTAL SYSTEMS.**

WHEREAS, St. Johns County is currently working with the Army Corps of Engineers on the St. Augustine Beach erosion control plan for the portion of beaches between ACOE markers R – 137 Thru R – 150; and,

WHEREAS, the Army Corps of Engineers (ACOE) is expected to appropriate funds for this project in the next fiscal year; and,

WHEREAS, St. Johns County also anticipates sharing matching costs with the State of Florida under a State DEP Beaches and Coastal Systems grant; and,

WHEREAS, the State Department of Environmental Protection has begun a new grant cycle which will require submitting an annual application along with a ten-year budget plan; and,

WHEREAS, St. Johns County will continue to provide local cost share funding from the Category III Tourist Development Tax Budget and serve as the local sponsor; and,

WHEREAS, the Florida Department of Environmental Protection Bureau of Beaches and Coastal Systems 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 THE ST. JOHNS COUNTY, FLORIDA:

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). That a suggested 10-year budget plan for funding the states portion of a beach nourishment project for the St. Augustine Beaches project be filed with the Florida Department of Environmental Protection, Bureau of Beaches and Coastal Systems (the "Department"); and

Section (3). That the County Administrator, or designee, is hereby authorized to submit a proposed 10-year State budget plan to the Department and to execute any necessary agreements concerning the beach projects with the Department.

Section (4). That 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.

PASSED AND ADOPTED by the Board of County Commissioners of St. Johns County, State of Florida, this 18th day of October, 2005.

BOARD OF COUNTY COMMISSIONERS
OF ST. JOHNS COUNTY, FLORIDA

BY *[Signature]*
Chair

ATTEST: CHERYL STRICKLAND, CLERK
BY *[Signature]*
Deputy Clerk

RENDITION DATE 10-20-05



**St. Johns County
Annual Funding Request (2006 – 2007) and
Local Long-Range Budget Plan
for Participation in the
FDEP Beach Management Funding Assistance Program**

September 2005

**St. Johns County
Annual Funding Request (2006 – 2007) and
Local Long-Range Budget Plan
for the Participation in the
FDEP Beach Management Funding Assistance Program**

Prepared for

St. Johns County, Florida

by

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C2004-091

September 2005

The St. Johns County Annual Funding Request and Local Long-Range Budget Request to the Florida Department of Environmental Protection (FDEP) consists of the following elements:

- 1. Vilano Beach/Summer Haven Beach Restoration, and**
- 2. St. Johns County Shore Protection Project**

Figure 1 presents project locations throughout St. Johns County. Table 1 presents schedules and cost shares for each element. The county's long-range budget request submitted last year for fiscal year 2005 – 2006 showed the shoreline land use and other information for the project areas located in St. Johns County.



Table 1 Summary of Project Costs and Schedules (1 of 3)

Vilano Beach, Summer Haven Beach Restoration

Phase	Location	2006-2007			
		Federal	State	Local	Total
Feasibility	R-110-R117, R-197-R209	\$220,000	\$110,000	\$110,000	\$440,000
Design	R-110-R117, R-197-R210	\$0	\$0	\$0	\$0
Construction	R-110-R117, R-197-R211	\$0	\$0	\$0	\$0
Monitoring	R-110-R117, R-197-R212	\$0	\$0	\$0	\$0
Total		\$220,000	\$110,000	\$110,000	\$440,000

St. Johns County Shore Protection Project

Phase	Location	2006-2007			
		Federal	State	Local	Total
Feasibility	R-137 – R-151	\$0	\$0	\$0	\$0
Design	R-137 – R-151	\$0	\$0	\$0	\$0
Construction	R-137 – R-151	\$0	\$0	\$0	\$0
Monitoring*	R-137 – R-151	\$0	\$110,000	\$110,000	\$220,000
Total		\$0	\$110,000	\$110,000	\$220,000

*Includes physical, biological, and scarp removal and tilling

Table 1 Summary of Project Costs and Schedules (2 of 3)

Vilano Beach, Summer Haven Beach Restoration

Phase	Location	2006-2007			
		Federal	State	Local	Total
Feasibility	R-110-R117, R-197-R209	\$220,000	\$110,000	\$110,000	\$440,000
Design	R-110-R117, R-197-R210	\$0	\$0	\$0	\$0
Construction	R-110-R117, R-197-R211	\$0	\$0	\$0	\$0
Monitoring	R-110-R117, R-197-R212	\$0	\$0	\$0	\$0
Total		\$220,000	\$110,000	\$110,000	\$440,000

Phase	Location	2007-2008			
		Federal	State	Local	Total
Feasibility	R-110-R117, R-197-R209	\$275,000	\$137,500	\$137,500	\$550,000
Design	R-110-R117, R-197-R210	\$0	\$0	\$0	\$0
Construction	R-110-R117, R-197-R211	\$0	\$0	\$0	\$0
Monitoring	R-110-R117, R-197-R212	\$0	\$0	\$0	\$0
Total		\$275,000	\$137,500	\$137,500	\$550,000

Phase	Location	2008-2009			
		Federal	State	Local	Total
Feasibility	R-110-R117, R-197-R209	\$275,000	\$137,500	\$137,500	\$550,000
Design	R-110-R117, R-197-R210	\$0	\$0	\$0	\$0
Construction	R-110-R117, R-197-R211	\$0	\$0	\$0	\$0
Monitoring	R-110-R117, R-197-R212	\$0	\$0	\$0	\$0
Total		\$275,000	\$137,500	\$137,500	\$550,000

Table 1 Summary of Project Costs and Schedules (3 of 3)

St. Johns County Shore Protection Project

Phase	Location	2006-2007			
		Federal	State	Local	Total
Feasibility	R-137 – R-151	\$0	\$0	\$0	\$0
Design	R-137 – R-151	\$0	\$0	\$0	\$0
Construction	R-137 – R-151	\$0	\$0	\$0	\$0
Monitoring*	R-137 – R-151	\$0	\$110,000	\$110,000	\$220,000
Total		\$0	\$110,000	\$110,000	\$220,000

Phase	Location	2007-2008			
		Federal	State	Local	Total
Feasibility	R-137 – R-151	\$0	\$0	\$0	\$0
Design	R-137 – R-151	\$0	\$0	\$0	\$0
Construction	R-137 – R-151	\$0	\$0	\$0	\$0
Monitoring*	R-137 – R-151	\$0	\$120,000	\$120,000	\$240,000
Total		\$0	\$120,000	\$120,000	\$240,000

Phase	Location	2008-2009			
		Federal	State	Local	Total
Feasibility	R-137 – R-151	\$0	\$0	\$0	\$0
Design	R-137 – R-151	\$250,000	\$125,000	\$125,000	\$500,000
Construction	R-137 – R-151	\$0	\$0	\$0	\$0
Monitoring*	R-137 – R-151	\$0	\$130,000	\$130,000	\$260,000
Total		\$250,000	\$255,000	\$255,000	\$760,000

*Includes physical, biological, and scarp removal and tilling

VILANO BEACH/SUMMER HAVEN BEACH RESTORATION

PROJECT DESCRIPTION: The project consists of a multi-year federal study to determine the feasibility of beach restoration in Vilano Beach and Summer Haven. Though generally countywide in scope, its primary focus is on two FDEP-designated critical erosion areas: the R-109 through R-117 beach segment lies in Vilano Beach north of St. Augustine Inlet and the R-197 through R-209 beach segment lies in Summer Haven at the south end of the county. The study will identify areas requiring beach management; conduct engineering, environmental, and economic analyses; and design feasible shore protection projects.

LOCATION: St. Johns County — R-109 through R-117 and R-197 through R-209

PROJECT EVALUATION:

Severity of Erosion: This project will determine the severity of erosion. In general, the project will seek to mitigate damage caused by continual erosion and damage from frequent storms. According to R.G. Dean, J. Cheng, and S. Malakar 1998 "Characteristics of the Shore Change Along Sandy Beaches of the State of Florida: An Atlas" (Florida Sea Grant), the average rate of erosion from 1970 to 1992 for R-109–R-117 is (-) 2.1 ft/year and for R197–R209 is (-) 2.4 ft/year.

Benefits: Upland property owners will receive storm damage protection; all county residents will receive economic benefits through tourism. The coastal highway (Scenic A1A) will continue to serve as an evacuation route.

Public beach access within the project areas consists of the beach, access points at North Beach Park and walkover, the Ft. Matanzas National Monument Park beach driving ramp, and beach access south of the Matanzas Inlet Bridge. The 2005-2006 budget request provided a map which identifies public beach access points with associated parking, and drive-on ramps within the project areas; that map is still valid. Threatened and endangered marine turtles utilize the entire project area for nesting purposes, however, it is not located within a designated marine turtle refuge.

Recreation and economic benefit: St. Johns County beaches are popular both for the out of state tourists and the inland state residents. There are two distinct beach seasons: one beginning in Fall/winter for out of state beachgoers and the other in summer for in-state beachgoers escaping the heat of the central Florida region. With over 42 miles of beaches, St. Johns County provides an exceptional recreation benefit to the state as well as an outstanding economic benefit to the local communities.

Federal Funding: Currently, the U.S. Senate has marked up, for the federal FY 2005-2006, \$220,000 appropriations for this study.

Federal authorization documentation: A federal reconnaissance study for the project, completed in 2004, justified the need for a feasibility study.

Local Commitment: The County has signed a feasibility cost-sharing agreement with the USACE. St. Johns County has retained the services of the coastal engineering firms Taylor Engineering, Inc. and CH2M Hill, Inc. to assist in project management, tracking, monitoring, and assistance with design and permitting as well as other related future activities. Local funding for the project is being obtained from the Tourist Development Council which provides a dedicated and scheduled funding source. Funds necessary to construct and maintain the project are included in the County's capital improvement plan.

Administrative staff capabilities: St. Johns County government, on recent projects, has exhibited its professional capabilities to administer large-scale beach renourishment and shore protection projects.

State Commitment: The state earmarked for the feasibility study last year \$165,000 as its cost share on an anticipated \$330,000 federal commitment. Continuation of this federal project relies on annual commitments from the FDEP and St. Johns County (local sponsor). The project is recommended in the Strategic Beach Management Plan and located in FDEP-designated critical erosion areas.

Project Performance: All projects will be optimized for best performance.

Use of Innovative Technology: The USACE will utilize the newest and most innovative technologies available for this feasibility study.

Regional coordination: St. Johns County is currently coordinating with the City of Jacksonville (Duval County) on future beach nourishment and shore protection projects that impact the northeast Florida beaches. The initial meeting with Jacksonville's representative for this program, Ron Shoemaker, was held on Monday, August 18, 2003.

USE OF PROGRAM FUNDS: Funds requested for FY2006-07 will be used to support the nonfederal cost share of the multi-year federal feasibility study.

Vilano Beach, Summer Haven Beach Restoration

Phase	Location	2006-2007			
		Federal	State	Local	Total
Feasibility	R-110-R117, R-197-R209	\$220,000	\$110,000	\$110,000	\$440,000
Design	R-110-R117, R-197-R210	\$0	\$0	\$0	\$0
Construction	R-110-R117, R-197-R211	\$0	\$0	\$0	\$0
Monitoring	R-110-R117, R-197-R212	\$0	\$0	\$0	\$0
Total		\$220,000	\$110,000	\$110,000	\$440,000

Phase	Location	2007-2008			
		Federal	State	Local	Total
Feasibility	R-110-R117, R-197-R209	\$275,000	\$137,500	\$137,500	\$550,000
Design	R-110-R117, R-197-R210	\$0	\$0	\$0	\$0
Construction	R-110-R117, R-197-R211	\$0	\$0	\$0	\$0
Monitoring	R-110-R117, R-197-R212	\$0	\$0	\$0	\$0
Total		\$275,000	\$137,500	\$137,500	\$550,000

Phase	Location	2008-2009			
		Federal	State	Local	Total
Feasibility	R-110-R117, R-197-R209	\$275,000	\$137,500	\$137,500	\$550,000
Design	R-110-R117, R-197-R210	\$0	\$0	\$0	\$0
Construction	R-110-R117, R-197-R211	\$0	\$0	\$0	\$0
Monitoring	R-110-R117, R-197-R212	\$0	\$0	\$0	\$0
Total		\$275,000	\$137,500	\$137,500	\$550,000

ST. JOHNS COUNTY SHORE PROTECTION PROJECT

PROJECT DESCRIPTION: The project consists of restoring the severely eroded beaches of Anastasia State Park and St. Augustine Beach. The current budget request covers costs for monitoring and maintaining the St. Johns County shore protection project, constructed in 2005.

LOCATION: St. Johns County — R-137 through R-151

PROJECT EVALUATION:

Severity of Erosion: The 2005 restoration project is currently under construction; it is designed to compensate for the significant beach erosion the 2002 restoration project experienced because of the impact of Hurricanes Frances and Jeanne in 2004.

Benefits: Upland property owners will receive storm damage protection; all county residents will receive economic benefits through tourism. The coastal highway (Scenic A1A) will continue to serve as an evacuation route.

Public beach access within the project areas consists of the beach access points at Anastasia State Park, Pope Road, the St. Johns County Pier Park and walkovers along the street ends at St. Augustine Beach. The 2005-2006 budget request provided a map which identifies public beach access points with associated parking, and drive-on ramps within the project areas; that map is still valid. Threatened and endangered marine turtles utilize the entire project area for nesting purposes, however, it is not located within a designated marine turtle refuge.

Recreation and economic benefit: St. Johns County beaches are popular with both out of state tourists and in-state residents. There are two distinct beach seasons: one beginning in Fall/winter for out of state beachgoers and the other in summer for in-state beachgoers escaping the heat of the central Florida region. With over 42 miles of beaches, St. Johns County provides an exceptional recreation benefit to the state as well as an outstanding economic benefit to the local communities.

Federal authorization documentation: The 1998 GRR constitutes the authorization document for this project. Initial construction occurred in 2001-2002 and the first renourishment is currently underway.

Local Commitment: The county has executed a project cost sharing agreement with the USACE for the 50-year project duration. The County has retained the services of the coastal engineering firms of Taylor Engineering and CH2M Hill, Inc. to assist in project management, tracking, monitoring, and assistance with design and permitting as well as other related future activities. Local funding for the project is being obtained from the Tourist Development Council which provides a dedicated and scheduled funding source. Funds necessary to construct and maintain the project are included in the County's capital improvement plan.

Administrative staff capabilities: St. Johns County government, on recent beach projects, has exhibited its professional capabilities to administer large-scale beach renourishment and shore protection projects.

State Commitment: The state earmarked, for project monitoring last year, \$58,000 as its cost share on an anticipated \$480,000 federal commitment. Continuation of this federal project relies on the annual commitment from the FDEP and St. Johns County (local sponsor). The project is recommended in the Strategic Beach Management Plan and located in FDEP-designated critical erosion areas.

Prior Department funding: The State of Florida has provided over \$2 million dollars in funding for beach projects in St. Johns County. This current agreement has recently been amended to expire on August 3, 2006.

Project Performance: The design renourishment interval is five years.

Regional coordination: St. Johns County is currently coordinating with the City of Jacksonville (Duval County) on future beach nourishment and shore protection projects that impact the northeast Florida beaches. The initial meeting with Jacksonville's representative for this program, Ron Shoemaker, was held on Monday, August 18, 2003.

Federal Funding: No federal funding is expected for this FDEP permit-dictated monitoring and maintenance phase of the project.

Use of Innovative Technology:

The USACE and our consultants will utilize the newest and most innovative technologies available for this project.

USE OF PROGRAM FUNDS: Funds requested for FY2006-07 will support the monitoring (physical and monitoring) and maintenance (beach tilling and scarp removal) phase.

St. Johns County Shore Protection Project

Phase	Location	2006-2007			
		Federal	State	Local	Total
Feasibility	R-137 – R-151	\$0	\$0	\$0	\$0
Design	R-137 – R-151	\$0	\$0	\$0	\$0
Construction	R-137 – R-151	\$0	\$0	\$0	\$0
Monitoring*	R-137 – R-151	\$0	\$220,000	\$220,000	\$440,000
Total		\$0	\$220,000	\$220,000	\$440,000

Phase	Location	2007-2008			
		Federal	State	Local	Total
Feasibility	R-137 – R-151	\$0	\$0	\$0	\$0
Design	R-137 – R-151	\$0	\$0	\$0	\$0
Construction	R-137 – R-151	\$0	\$0	\$0	\$0
Monitoring*	R-137 – R-151	\$0	\$235,000	\$235,000	\$470,000
Total		\$0	\$235,000	\$235,000	\$470,000

Phase	Location	2008-2009			
		Federal	State	Local	Total
Feasibility	R-137 – R-151	\$0	\$0	\$0	\$0
Design	R-137 – R-151	\$250,000	\$125,000	\$125,000	\$500,000
Construction	R-137 – R-151	\$0	\$0	\$0	\$0
Monitoring*	R-137 – R-151	\$0	\$250,000	\$250,000	\$500,000
Total		\$250,000	\$375,000	\$375,000	\$1,000,000

*Includes physical, biological, and scarp removal and tilling