

RESOLUTION NO. 2008- 258

**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 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 and FDEP on the St. Augustine Beach erosion control monitoring and maintenance of the constructed project and design of the next nourishment for the portion of beaches between ACOE markers R-137 and R-151; 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 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

**WHEREAS**, St. Johns County will continue to 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 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). That a suggested 10-year budget plan for funding the State's 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; and,

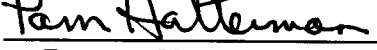
Section (4). That the County Administrator's, or designee's, submission of any budget plan is subject to, and contingent upon, an annual budget appropriation by the Board of County Commissioners.

**PASSED AND ADOPTED** by the Board of County Commissioners of St. Johns County, State of Florida, this 16<sup>th</sup> day of September, 2008.

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

By:   
Thomas G. Manuel--Chairman

  
ATTEST: Cheryl Strickland, Clerk

By:   
Deputy Clerk

RENDITION DATE 9/19/08

**St. Johns County  
Annual Funding Request (FY2009 - 2010) and  
Local Long-Range Budget Plan  
for Participation in the  
FDEP Beach Management Funding Assistance Program**

August, 2008

Prepared by:

St Johns County, Florida  
Public Works Department  
Engineering Division  
2740 Industry Center Road  
St. Augustine, FL 32804  
(904) 209-0110

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. South Ponte Vedra Beach/Vilano Beach/Summer Haven Beach Restoration
2. St. Johns County Shore Protection Project, and
3. South Ponte Vedra/Vilano Beach Restoration

Figure 1 presents the project locations throughout St. Johns County. Table 1 presents schedules and cost shares for each of the elements. The county's long-range budget request submitted for fiscal year (FY) 2008 – 09 presented maps showing shoreline commercial/recreational land use, public beach accesses, parking, and related information for the above projects.

**Table 1 Summary of Project Costs and Schedules (1 of 4)**

**SOUTH PONTE VEDRA BEACH, VILANO BEACH, SUMMERHAVEN BEACH RESTORATION**

Phase	Location	2009-2010			
		Federal	State	Local	Total
Feasibility	R84-R94, R110-R117, R197-R209	\$452,000	\$226,000	\$226,000	\$904,000
Design	R84-R94, R110-R117, R197-R209	\$0	\$0	\$0	\$0
Construction	R84-R94, R110-R117, R197-R209	\$0	\$0	\$0	\$0
Monitoring	R84-R94, R110-R117, R197-R209	\$0	\$0	\$0	\$0
Total	R84-R94, R110-R117, R197-R209	\$452,000	\$226,000	\$226,000	\$904,000

**ST JOHNS COUNTY SHORE PROTECTION PROJECT**

Phase	Location	2009-2010			
		Federal	State	Local	Total
Feasibility	R137-R151	\$0	\$0	\$0	\$0
Design	R137-R151	\$700,000	\$57,000	\$87,000	\$844,000
Construction	R137-R151	\$0	\$0	\$0	\$0
Monitoring*	R137-R151	\$0	\$62,000	\$93,000	\$155,000
Total	R137-R151	\$700,000	\$119,000	\$180,000	\$999,000

\* Note: Monitoring includes biological and physical monitoring and beach tilling and scarp removal

**South Ponte Vedra Beach, Vilano Beach, Home Owners Restoration Study**

Phase	Location	2009-2010			
		Federal	State	Local	Total
Feasibility	R84-R94, R110-R117	\$0	\$0	\$0	\$0
Design	R84-R94, R110-R117	\$0	\$600,000	\$600,000	\$1,200,000
Construction	R84-R94, R110-R117	\$0	\$0	\$0	\$0
Monitoring	R84-R94, R110-R117	\$0	\$0	\$0	\$0
Total	R84-R94, R110-R117	\$0	\$600,000	\$600,000	\$1,200,000



Table 1 Summary of Project Costs and Schedules (3 of 4)

St. Johns County Shore Protection Project

Phase	Location	2009-2010				2010-2011				2011-2012				2012-2013				2013-2014				
		Federal	State	Local	Total	Federal	State	Local	Total	Federal	State	Local	Total	Federal	State	Local	Total	Federal	State	Local	Total	
		Feasibility	R137- R151	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design	R137- R151	\$700,000	\$57,000	\$87,000	\$844,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Construction	R137- R151	\$0	\$0	\$0	\$0	\$12,800,000	\$1,294,000	\$1,986,000	\$16,080,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Monitoring	R137- R151	\$0	\$62,000	\$93,000	\$155,000	\$0	\$0	\$0	\$0	\$62,000	\$0	\$0	\$0	\$62,000	\$0	\$0	\$0	\$62,000	\$0	\$0	\$0	
Total	R137- R151	\$700,000	\$119,000	\$180,000	\$999,000	\$12,800,000	\$1,294,000	\$1,986,000	\$16,080,000	\$62,000	\$0	\$0	\$62,000	\$62,000	\$0	\$0	\$0	\$62,000	\$0	\$0	\$0	

Phase	Location	2014-2015				2015-2016				2016-2017				2017-2018				2018-2019				
		Federal	State	Local	Total	Federal	State	Local	Total	Federal	State	Local	Total	Federal	State	Local	Total	Federal	State	Local	Total	
		Feasibility	R137- R151	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design	R137- R151	\$700,000	\$57,000	\$87,000	\$844,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Construction	R137- R151	\$0	\$0	\$0	\$0	\$12,800,000	\$1,294,000	\$1,986,000	\$16,080,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Monitoring	R137- R151	\$0	\$62,000	\$93,000	\$155,000	\$0	\$0	\$0	\$0	\$62,000	\$0	\$0	\$0	\$62,000	\$0	\$0	\$0	\$62,000	\$0	\$0	\$0	
Total	R137- R151	\$700,000	\$119,000	\$180,000	\$999,000	\$12,800,000	\$1,294,000	\$1,986,000	\$16,080,000	\$62,000	\$0	\$0	\$62,000	\$62,000	\$0	\$0	\$0	\$62,000	\$0	\$0	\$0	

Note: Monitoring includes biological and physical monitoring and beach tilling and scarp removal





## **SOUTH PONTE VEDRA BEACH/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 South Ponte Vedra Beach, Vilano Beach, and Summer Haven. Though generally countywide in scope, it primarily focuses on three FDEP-designated critical erosion areas: the R-84 through R-94 beach segment that lies in South Ponte Vedra Beach, the R-109 through R-117 beach segment that lies in Vilano Beach north of St. Augustine Inlet, and the R-197 through R-209 beach segment that 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-84 through R-94, 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 Dean et al. (1998) (Dean, R.G., Cheng, J., and Malakar, S. 1998. *Characteristics of the Shore Change Along Sandy Reaches of the State of Florida: An Atlas*. Florida Sea Grant), the average rate of erosion from 1970 to 1992 equals -2.1 ft/year for R-109 – R-117, and -2.4 ft/year for R-197 – R-209. Notably, recent northeaster storm and hurricane activity have caused severe erosion to occur in the South Ponte Vedra Beach area that threatens private development and State Road A1A.

**Benefits:** Upland property owners will receive storm damage protection; all county residents will receive economic benefits through tourism. The coastal highway (Scenic AIA) 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 FY2008 – 09 budget request provided a map which identifies public beach access points with associated parking, and drive-on ramps within the project areas; that map still proves valid and is attached in the appendix of this document. Threatened and endangered marine turtles

utilize the entire project areas for nesting purposes; however, they do not lie within a designated marine turtle refuge.

St. Johns County beaches are popular both for out of state tourists and inland state residents. Two distinct beach seasons exist. One season begins in fall/winter for out of state beachgoers and the other season begins 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 and an outstanding economic benefit to the local communities.

**Federal Funding** : A federal reconnaissance study for the project, completed in 2004, justified the need for a feasibility study. The US. Congress and Senate are currently considering \$452,000 in federal appropriations for the federal feasibility study for FY2009 – 10.

**Local Commitment**: The County has signed a feasibility cost-sharing agreement with the U.S. Army Corps of Engineers (USACE). St. Johns County has retained the services of the coastal engineering firms Taylor Engineering, Inc. and PBS&J, Inc. to assist in project management, tracking, monitoring, and assistance with design and permitting and other related future activities. St. Johns County is obtaining local funding for the project from the Tourist Development Council, which provides a dedicated and scheduled funding source. The county includes funds necessary to construct and maintain the project in the county's capital improvement plan.

On recent projects, St. Johns County government has exhibited its professional capabilities to administer large-scale beach nourishment and shore protection projects.

With this funding request, St. Johns County has included a proposed resolution that states its support of the proposed project, willingness to serve as the local sponsor, and ability to provide the local cost share. The St. Johns County Board of County Commissioners (BCC) will consider this resolution in October 2008. St. Johns County will furnish a copy of the approved resolution to the FDEP.

**State Commitment**: The state earmarked for the feasibility study in FY-08 \$50,000 as its cost share on an anticipated \$100,000 federal commitment. Continuation of this federal project relies on annual commitments from the FDEP and St. Johns County (local sponsor). The FDEP recommends the project in its draft Strategic Beach Management Plan for St. Johns County beaches. In addition, the project areas lie within FDEP-designated critical erosion areas.

**Project Performance:** The county will optimize all projects for best performance.

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

**USE OF PROGRAM FUNDS:** St. Johns County will apply the funds requested for FY2009-10 to support the nonfederal cost share of the multi-year federal feasibility study.

**SOUTH PONTE VEDRA BEACH, VILANO BEACH, SUMMERHAVEN BEACH RESTORATION**

Phase	Location	2009-2010			
		Federal	State	Local	Total
Feasibility	R84-R94, R110-R117, R197-R209	\$452,000	\$226,000	\$226,000	\$904,000
Design	R84-R94, R110-R117, R197-R209	\$0	\$0	\$0	\$0
Construction	R84-R94, R110-R117, R197-R209	\$0	\$0	\$0	\$0
Monitoring	R84-R94, R110-R117, R197-R209	\$0	\$0	\$0	\$0
Total	R84-R94, R110-R117, R197-R209	\$452,000	\$226,000	\$226,000	\$904,000

Phase	Location	2010-2011			
		Federal	State	Local	Total
Feasibility	R84-R94, R110-R117, R197-R209	\$0	\$0	\$0	\$0
Design	R84-R94, R110-R117, R197-R209	\$700,000	\$350,000	\$350,000	\$1,400,000
Construction	R84-R94, R110-R117, R197-R209	\$0	\$0	\$0	\$0
Monitoring	R84-R94, R110-R117, R197-R209	\$0	\$0	\$0	\$0
Total	R84-R94, R110-R117, R197-R209	\$700,000	\$350,000	\$350,000	\$1,400,000

Phase	Location	2011-2012			
		Federal	State	Local	Total
Feasibility	R84-R94, R110-R117, R197-R209	\$0	\$0	\$0	\$0
Design	R84-R94, R110-R117, R197-R209	\$600,000	\$300,000	\$300,000	\$1,200,000
Construction	R84-R94, R110-R117, R197-R209	\$0	\$0	\$0	\$0
Monitoring	R84-R94, R110-R117, R197-R209	\$0	\$0	\$0	\$0
Total	R84-R94, R110-R117, R197-R209	\$600,000	\$300,000	\$300,000	\$1,200,000

## ST. JOHNS COUNTY SHORE PROTECTION PROJECT

**PROJECT DESCRIPTION :** The project consists of a multi-year federal commitment to design, construct and monitor beach restoration of the severely eroded beaches of Anastasia State Park and St. Augustine Beach. The scope focuses on the FDEP-designated critical erosion areas between R137 and R151 at the center of the County and just South of the St Augustine Inlet. The project is part of 50 year commitment to the US Army Corps of Engineers to renourish this segment of Beach. The current budget request covers costs for designing the next nourishment of the St. Johns County Shore Protection Project. The US Congress and Senate are currently considering \$ 700,000 in appropriations for the Shore Protection Project for FY2009 – 10.

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

### **PROJECT EVALUATION:**

**Severity of Erosion:** This beach segment lies within the St. Augustine Inlet's area of influence. The USACE authorized the St. Johns County Shore Protection Project in 1999 to mitigate for long-term erosion caused by the inlet.

**Benefits:** Upland property owners receive storm damage protection. All county residents receive economic benefits through tourism. The coastal highway (Scenic AIA) continues 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 FY 2008 – 09 budget request provided a map that identifies public beach access points with associated parking, and drive-on ramps within the project area; that map still proves valid and is provided as part of the Appendix. Threatened and endangered marine turtles utilize the entire project areas for nesting purposes; however, they do not lie within a designated marine turtle refuge.

St. Johns County beaches are popular both for out of state tourists and inland state residents. Two distinct beach seasons exist. One season begins in fall/winter for out of state beachgoers and the other season begins 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 and an outstanding economic benefit to the local communities.

**Federal Funding:** The USACE 1998 General Reevaluation Report (GRR) constitutes the authorization document for this project. The US Congress and Senate are currently considering \$ 700,000 in appropriations for the design of the Shore Protection Project for FY2009 – 10.

**Local Commitment:** The county has executed a project cost sharing agreement with the USACE for the 50-year project life. St. Johns County has retained the services of the coastal engineering firms Taylor Engineering, Inc. to assist in project management, tracking, monitoring, and assistance with design and permitting and other related future activities. St. Johns County is obtaining local funding for the project from the Tourist Development Council, which provides a dedicated and scheduled funding source. The county includes funds necessary to construct and maintain the project in the county's capital improvement plan.

On recent projects, St. Johns County government has exhibited its professional capabilities to administer large-scale beach nourishment and shore protection projects.

With this funding request, St. Johns County has included a proposed resolution that states its support of the proposed project, willingness to serve as the local sponsor, and ability to provide the local cost share. The St. Johns County BCC will consider this resolution in October 2008. St. Johns County will furnish a copy of the approved resolution to the FDEP.

**State Commitment:** The state appropriated \$60,094 for project monitoring, beach tilling, and scarp removal last year as its cost share on an anticipated \$152,368.62 local sponsor commitment. Continuation of this federal project relies on the annual commitment from the FDEP and St. Johns County (local sponsor). The FDEP recommends the project in its draft Strategic Beach Management Plan for St. Johns County beaches. In addition, the project areas lie within FDEP-designated critical erosion areas.

**Project Performance:** The design renourishment interval is five years. The USACE renourished the beach in FY 2004-05. The renourishment occurred soon after the 2003 initial nourishment event to ameliorate the significant beach erosion the project experienced because of the effects of Hurricanes Frances and Jeanne in 2004.

**Use of Innovative Technology:**

The USACE and the county's consultants will utilize the newest and most innovative technologies

available for this project.

**USE OF PROGRAM FUNDS:** Funds requested for FY2009 – 10 will support the design phase of the next nourishment cycle of the project.

**ST JOHNS COUNTY SHORE PROTECTION PROJECT**

Phase	Location	2009-2010			
		Federal	State	Local	Total
Feasibility	R137-R151	\$0	\$0	\$0	\$0
Design	R137-R151	\$700,000	\$57,000	\$87,000	\$844,000
Construction	R137-R151	\$0	\$0	\$0	\$0
Monitoring	R137-R151	\$0	\$62,000	\$93,000	\$155,000
Total	R137-R151	\$700,000	\$119,000	\$180,000	\$999,000

Phase	Location	2010-2011			
		Federal	State	Local	Total
Feasibility	R137-R151	\$0	\$0	\$0	\$0
Design	R137-R151	\$0	\$0	\$0	\$0
Construction	R137-R151	\$12,800,000	\$1,294,000	\$1,986,000	\$16,080,000
Monitoring	R137-R151	\$0	\$0	\$0	\$0
Total	R137-R151	\$12,800,000	\$1,294,000	\$1,986,000	\$16,080,000

Phase	Location	2011-2012			
		Federal	State	Local	Total
Feasibility	R137-R151	\$0	\$0	\$0	\$0
Design	R137-R151	\$0	\$0	\$0	\$0
Construction	R137-R151	\$0	\$0	\$0	\$0
Monitoring	R137-R151	\$0	\$62,000	\$93,000	\$155,000
Total	R137-R151	\$0	\$62,000	\$93,000	\$155,000

## SOUTH PONTE VEDRA/VILANO BEACH RESTORATION PROJECT

**PROJECT DESCRIPTION :** The South Ponte Vedra and Vilano Beach region (R70 to R120) has experienced long term beach erosion. Resolution 2007-160 was adopted by the St Johns County Board of County Commissioners to act on behalf of the South Ponte Vedra Beach/Vilano Beach Restoration Association (SPVBVBRA) as “Local Sponsor” to obtain funding from the Florida Department of Environmental Protection (FDEP) to complete a Feasibility Study for the Beach frontage between R70 to R120. The study will identify areas requiring beach management; conduct engineering, environmental, and economic analyses; and preliminary design feasible shore protection projects.

**LOCATION:** St. Johns County — R-84 through R-94 and R109 to R117

### **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 Dean et al. (1998) (Dean, R.G., Cheng, J., and Malakar, S. 1998. *Characteristics of the Shore Change Along Sandy Reaches of the State of Florida: An Atlas*. Florida Sea Grant), the average rate of erosion for R-84 – R-94 from 1970 to 1992 equals -0.6 ft/year and from 1993 to 2007 -3.6 ft/yr; and for R-109 – R-117 from 1970 to 1992 equals -2.1 ft/yr and 1993 to 2007 equals -0.5 ft/year. Notably, recent northeaster storm and hurricane activity have caused severe erosion to occur in the South Ponte Vedra Beach area that threatens private development and State Road A1A.

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

Public beach access within the project areas consists of the beach, access points at GTM-NERR and walkover, South Ponte Vedra Beach Recreation Area and walkover, and the North Beach Park and walkover. The FY2009 – 10 budget request provides a map which identifies public beach access points with associated parking, and drive-on ramps within the project areas and is attached in the appendix of this document. Threatened and endangered marine turtles utilize the entire project areas for nesting purposes; however, they do not lie within a designated marine turtle refuge.

St. Johns County beaches are popular both for out of state tourists and inland state residents. Two distinct beach seasons exist. One season begins in fall/winter for out of state beachgoers and the other season begins 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 and an outstanding economic benefit to the local communities.

**Federal Funding** : Federal funding is not part of this project.

**Local Commitment**: St. Johns County has retained the services of the coastal engineering firms PBS&J, Inc. to assist in project management, tracking, monitoring, and assistance with design and permitting and other related future activities. St. Johns County is obtaining local funding for the project from SPVBVBRA, “Homeowners”, and FDEP which provides a funding source to complete the scoped study.

On recent projects, St. Johns County government has exhibited its professional capabilities to administer large-scale beach nourishment and shore protection projects.

With this funding request, St. Johns County has included a proposed resolution that states its support of the proposed project, willingness to serve as the local sponsor, and ability to provide the local cost share. The St. Johns County Board of County Commissioners (BCC) will consider this resolution in October 2008. St. Johns County will furnish a copy of the approved resolution to the FDEP.

**State Commitment**: The state earmarked for the feasibility study last year \$140,000 as its cost share. Continuation of this project relies on annual commitments from the FDEP and SPVBVBRA with St. Johns County acting as its local sponsor. The FDEP recommends the project in its draft Strategic Beach Management Plan for St. Johns County beaches. In addition, the project areas lie within FDEP-designated critical erosion areas.

**Project Performance**: The county will optimize all projects for best performance.

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



**USE OF PROGRAM FUNDS:** St. Johns County will continue to seek reimbursement of the project funds to support the study.

**South Ponte Vedra Beach, Vilano Beach, Home Owners Restoration Study**

Phase	Location	2009-2010			
		Federal	State	Local	Total
Feasibility	R84-R94, R110-R117	\$0	\$0	\$0	\$0
Design	R84-R94, R110-R117	\$0	\$600,000	\$600,000	\$1,200,000
Construction	R84-R94, R110-R117	\$0	\$0	\$0	\$0
Monitoring	R84-R94, R110-R117	\$0	\$0	\$0	\$0
Total	R84-R94, R110-R117	\$0	\$600,000	\$600,000	\$1,200,000

Phase	Location	2010-2011			
		Federal	State	Local	Total
Feasibility	R84-R94, R110-R117	\$0	\$0	\$0	\$0
Design	R84-R94, R110-R117	\$0	\$0	\$0	\$0
Construction	R84-R94, R110-R117	\$0	\$16,000,000	\$16,000,000	\$32,000,000
Monitoring	R84-R94, R110-R117	\$0	\$0	\$0	\$0
Total	R84-R94, R110-R117	\$0	\$16,000,000	\$16,000,000	\$32,000,000

Phase	Location	2011-2012			
		Federal	State	Local	Total
Feasibility	R84-R94, R110-R117	\$0	\$0	\$0	\$0
Design	R84-R94, R110-R117	\$0	\$0	\$0	\$0
Construction	R84-R94, R110-R117	\$0	\$0	\$0	\$0
Monitoring	R84-R94, R110-R117	\$0	\$100,000	\$100,000	\$200,000
Total	R84-R94, R110-R117	\$0	\$100,000	\$100,000	\$200,000

## APPENDIX A

South Ponte Vedra Beach/Vilano Beach/ Summer Haven Beach Restoration Data

## APPENDIX B

St Johns County Shore Protection Project

## APPENDIX C

South Ponte Vedra Beach/Vilano Beach HOMEOWNERS Restoration Data