



BOARD OF COUNTY COMMISSIONERS

DATE: July 15, 2014
AGENDA ITEM NO. 12

Consent Agenda ☐

Regular Agenda ☒

Public Hearing ☐


County Administrator's Signature:

Subject:

Resolution Requesting Inclusion of Pinellas County Beach Erosion Control Projects in the Florida Beach Management Funding Assistance Program FY 2015-16 Long-Range Budget Plan

Department:

Department of Environment and Infrastructure

Staff Member Responsible:

Richard Coates, P.E., Director
Transportation and Storm-water

Recommended Action:

I RECOMMEND THE BOARD OF COUNTY COMMISSIONERS ADOPT A RESOLUTION APPROVING THE PINELLAS COUNTY LOCAL GOVERNMENT FUNDING REQUEST TO BE SUBMITTED TO THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP), BEACH MANAGEMENT FUNDING ASSISTANCE PROGRAM.

Summary Explanation/Background:

Beach nourishment projects that are part of the Federal Shore Protection Program (Sand Key, Treasure Island, Long Key Upham Beach and Long Key Pass-A-Grille Beach) are cost-shared with Federal (U.S. Army Corps of Engineers) and State (FDEP's Beach Management Funding Assistance Program) interests. Non-federal projects (Honeymoon Island) are cost-shared with the State only.

The FDEP requires an annual funding request for beach management projects that includes a 10-year budget projection and a resolution indicating support of the project. This long-range budget plan is similar in concept to Pinellas County's multi-year Capital Improvement Program (CIP) budget, in that it is a 10-year budget plan with emphasis on the upcoming fiscal year (FY). Pinellas County has requested funding for Long Key Upham Beach Stabilization and Long Key Pass-A-Grille Beach. The State allows funding requests for work completed up to three (3) years prior to the current funding request year.

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Fiscal Impact/Cost/Revenue Summary:

Funds have been budgeted in the Coastal Management Section of the County's Capital Improvement Program. Pinellas County's funding requests are shown below and will cover FY12/13 construction, design/permitting, and monitoring; FY13/14 design/permitting and monitoring; FY14/15 monitoring; and FY15/16 construction, design/permitting, and monitoring costs.

Project Name	Funding Request Amount	FY 12/13	FY 13/14	FY 14/15	FY 15/16
Long Key Upham Beach Stabilization	\$4,558,200	Construction Design/Permitting Monitoring	Design/Permitting Monitoring	Monitoring	Construction Design/Permitting
Long Key Pass-A-Grille Beach	\$11,000				Monitoring

No FY15/16 funding requests are being made for Honeymoon Island, Sand Key, Treasure Island, and the Long Key Upham Beach (Federal) Nourishment project.

Exhibits/Attachments Attached:

Fact Sheet
Proposed Resolution with a Summary of the Funding Request

FACT SHEET

BCC Agenda Item

Pinellas County's inclusion in FDEP's FY2015-16 Long-Range Budget Plan

Date

July 15, 2014

FY2015-16 Funds Requested:

Long Key Upham Beach Stabilization: \$4,475,000 (rock structures & nourishment design/permitting)
\$83,200 (project costs from previous years [2012/13-2014/15])

Long Key Pass-A-Grille Nourishment: \$11,000 (post construction monitoring)

No funds Requested – State grants in place to cover FY2015/16 costs

Honeymoon Island

Sand Key

Treasure Island

Long Key Upham Beach Nourishment

Funding Request Background

Each year the Florida Department of Environmental Protection's (FDEP's) Beach Management Funding Assistance Program (formerly Bureau of Beaches and Coastal Systems) updates their Florida Beach Management Program Long-Range Budget Plan (LRBP) and prioritizes their list of beach erosion control projects for future funding. The process culminates in the preparation and submittal of FDEP's Fixed Capital Outlay, Local Government Funding Request (LGFR) that contains funding priorities statewide for the following fiscal year.

Each year in response to fulfilling FDEP's funding request, the County estimates its annual Coastal Management Program funding needs by project for the next five years (years 1-5) in four funding categories: Feasibility, Design, Construction, and Monitoring. For years 6-10, program categories are identified but not funding amounts. The projects include Honeymoon Island, Sand Key, Treasure Island, Long Key Upham Beach Stabilization, Long Key Upham Beach Nourishment, and Long Key Pass-A-Grille Beach Nourishment.

The annual submittal is not official until the County passes a Resolution requesting inclusion of the County's erosion control projects in the Florida Beach Management Program LRBP. The County will submit the FY2015-16 funding request to FDEP by August 4, 2014. In addition to the annual funds requested by project, the LGFR includes project descriptions and detailed public access maps for each of the four project areas. Although the LRBP includes funding amounts over the next five years, the Resolution pertains to the funding request for the next State fiscal year (FY15-16). The outcome of the County's request will not be known until the conclusion of the upcoming State legislative session. Any funds that are appropriated pursuant to the request become available on July 1 of the next fiscal year. If Pinellas County obtains funding for one or more of its projects, then a funding agreement for each project encompassing the newly appropriated funds is drawn up and approved by FDEP and the County.

The funding matches depend upon the project. Funding for the Federal projects is approximately split 60% Federal, 20% State, and 20% County. Federal projects include Sand Key, Treasure Island, and Long Key. Funding for Honeymoon Island, a non-federal project, is split 75% State, and 25% County for non-construction tasks that include feasibility studies, design, permitting, and post construction monitoring. The State can reimburse the County up to 100% of construction costs for Honeymoon Island.

In summary, the Resolution provides assurance to FDEP that the County:

- supports the proposed projects,
- is willing to serve as the local sponsor,
- has the ability to provide the local cost share, and
- has a dedicated funding source to support the projects (Tourist Development Tax).

RESOLUTION NO. 14-_____

A RESOLUTION OF THE BOARD OF COUNTY COMMISSIONERS OF PINELLAS COUNTY, FLORIDA REQUESTING INCLUSION OF PINELLAS COUNTY BEACH EROSION CONTROL PROJECTS IN THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION'S BEACH MANAGEMENT FUNDING ASSISTANCE PROGRAM'S FY 2015-16 LOCAL GOVERNMENT FUNDING REQUEST; PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, the Beach Management Funding Assistance Program of the Florida Department of Environmental Protection ("FDEP") has mandated an updated Beach Management Program Long-Range Budget Plan; and

WHEREAS, Pinellas County supports the FDEP's Beach Management Program and has historically coordinated with the state on coastal management projects; and

WHEREAS, Pinellas County is willing to serve as the local sponsor because the Beach Management Program specifically meets the goal of the Coastal Management Element of the Pinellas County Comprehensive Plan to "...conserve, maintain, and restore coastal beach and dune systems so as to retain their contributions to storm protection, recreation, natural resources, and economic development;" and

WHEREAS, Pinellas County has a dedicated funding source to provide local funding for the Beach Management Program.

NOW THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF PINELLAS COUNTY, FL THAT:

Section 1. The Pinellas County Local Government Funding Request to the Beach Management Funding Assistance Program, Florida Department of Environmental Protection is approved. The funding request is incorporated herein by reference. A summary of the funding request (Exhibit A) is attached hereto.

Section 2. This Resolution shall become effective upon its adoption.

In a regular meeting duly assembled on the _____ day of _____, 2014, Commissioner _____ offered the foregoing Resolution and moved its adoption, which was seconded by Commissioner _____, and upon roll call the vote was:

AYES:

NAYS:

ABSENT AND NOT VOTING:

**APPROVED AS TO FORM
OFFICE OF COUNTY ATTORNEY**
By _____
Attorney

EXHIBIT A

SUMMARY OF FUNDING REQUEST

Pinellas County FY 2015-2016 FDEP Long-Range Budget Plan

Schedule and Budget: Honeymoon Island

Use of Requested Program Funds for FY15/16:

No funds are requested for FY15/16. Funding for FY15/16 are covered by grant 13PI1.

Schedule and Budget: Honeymoon Island

Year	Proposed Method	Description	Total Estimated Cost	Federal Cost Share	Third Party Cost Share	State Cost Share	Local Cost Share
2015/2016		No Funding Requested					
2016/2017		No Funding Requested					
2017/2018		No Funding Requested					
2018/2019	Monitoring	36 mo, Beach & T-groins & Borrow Area	90,000	0	0	67,500	22,500
	Design	Design for Nourishment	150,000	0	0	112,500	37,500
2019/2020	Construction	Nourishment	1,500,000	0	0	1,500,000	
	Monitoring	Pre & Post	100,000	0	0	100,000	
2020/2021	Monitoring	24 mo					
2021/2022	Monitoring	36 mo					
2022/2023	Monitoring	48 mo					
2023/2024	Design	Nourishment					
2024/2025	Construction	Nourishment					

Project Benefits: Honeymoon Island State Park is a Primary Beach Access Site containing 2000 public parking spaces that annually hosts over a million visitors. Recreational benefits extend across the entire gulf front shoreline of the island and include fishing, bird watching and hiking throughout with a dog beach at the south end. Public access to the north parking lot has become threatened by erosion in the vicinity of R-8 to R-9. Sea turtle and shorebird nesting on Honeymoon Island is monitored by park staff, and the productive environmental habitat areas are limited to the extreme north and south ends of the island. Establishment of a stable beach area at the midpoint along the public beach will provide improved habitat for shorebirds and marine turtles by expanding the area of sandy beach and improving public recreation close to the public facilities. Additional benefits include storm protection for beach access to the north two miles of shoreline of the island as well as protection to the upland parking area, infrastructure, public facilities, and wetlands. The landward retreat of the north parking lot in conjunction with the additional erosion control structures will reduce erosion stress by reducing unfavorable sediment transport gradients, thereby increasing the residence time of beach fill within the project area and reducing the corresponding beach nourishment frequency. The project will help maintain the

recreational benefits of one for the most attended beach parks in the State of Florida. Honeymoon Island State Park had nearly 1.3 million visitors with an estimated economic impact of \$52 million to the local community (*FY 2008, 2009 FLORIDA STATE PARK SYSTEM ECONOMIC IMPACT ASSESSMENT*, Sept 2009, FDFP Div of Recreation and Parks). The next project, Phase II, is slated for construction starting in late summer 2014. Phase II will construct three low-profile T-groin structures and nourish the beach with 50,000 cubic yards of sand from the ebb shoal of Hurricane Pass.

Schedule and Budget: Sand Key

Use of Requested Program Funds for FY15/16:

Since FDEP agreement 11PI1 will cover state reimbursement costs for post-construction monitoring and tilling for FY15/16, no funds are requested for FY15/16.

Year	Proposed Method	Description	Total Estimated Cost	Federal Cost Share	Third Party Cost Share	State Cost Share	Local Cost Share
2015/2016		No Funding Anticipated					
2016/2017		No Funding Anticipated					
2017/2018	Construction	Nourishment	36,000,000	22,608,000	0	6,696,000	6,696,000
	Monitoring	Yr 1 Tilling/Turtle	80,000	0	0	40,000	40,000
2018/2019	Monitoring	Yr 2 Tilling/Turtle	80,000	0	0	40,000	40,000
2019/2020	Monitoring	Yr 3 Tilling/Turtle	80,000	0	0	40,000	40,000
2020/2021		No Funding Anticipated					
2021/2022		No Funding Anticipated					
2022/2023	Construction	Nourishment					
	Monitoring	Yr1 Turtle/Tilling					
2023/2024	Monitoring	Yr 2 Tilling/Turtle					
2024/2025	Monitoring	Yr 3 Tilling/Turtle					

Project Benefits: Public Beach access on Sand Key includes three primary access sites and numerous secondary access points, several of which are large county or city parks. There is over 5,000 ft of publicly accessible land and over 1,200 public parking spaces along the Sand Key project. The map submitted with the complete funding request documents public beach access, parking, bike racks, bus stops, and restroom facilities, as well as public lodging establishments and commercial/recreational land use in the project area. Sea turtles utilize the entire project area for nesting, but it is not located in a designated marine turtle refuge. The County provides beach vegetation to the Gulf beach communities at no cost to establish dunes along the length of the project.

The Sand Key project has combined four small sections that were initially nourished individually to save on construction and administrative costs. In addition, the physical and biological monitoring is managed regionally.

Schedule and Budget: Treasure Island

Use of Requested Program Funds for FY15/16:

No funds are requested for FY15-16. Grant agreement 12PI4 has sufficient funds to cover the anticipated costs.

Year	Proposed Method	Description	Total Estimated Cost	Federal Cost Share	Third Party Cost Share	State Cost Share	Local Cost Share
2015/2016		No Funding Anticipated					
2016/2017		No Funding Anticipated					
2017/2018	Construction	Nourishment	4,500,000	2,610,000	0	945,000	945,000
	Monitoring	Yr 1 Turtle/Tilling	17,000	0	0	8,500	8,500
2018/2019	Monitoring	Yr 2 Turtle/Tilling	17,000	0	0	8,500	8,500
2019/2020	Monitoring	Yr 3 Tilling	8,000	0	0	4,000	4,000
2020/2021		No Funding Anticipated					
2021/2022	Construction	Nourishment					
	Monitoring	Yr 1 Turtle/Tilling					
2022/2023	Monitoring	Yr 2 Turtle/Tilling					
2023/2024	Monitoring	Yr 3 Tilling					
2024/2025		No Funding Anticipated					

Project Benefits: Public Beach access on Treasure Island includes one primary park and numerous secondary beach parks and access points. In addition, public parking is allowed on the side streets of Sunset Beach. The map submitted with the complete funding request documents public beach access, parking, bike racks, restroom facilities, and commercial/recreational land use in the project area. Sea turtles utilize the entire project area for nesting, but it is not located in a designated marine turtle refuge. The County provides beach vegetation to the beach communities at no cost to establish dunes along the length of the project.

The Pinellas County projects have been cited as an example of regionalization in the State's Strategic Management Plan. The Treasure Island project is combined with the Long Key project to save on construction and administrative costs. Three separate eligible governmental entities (The City of Treasure Island, The City of St. Pete Beach, and Pinellas County) cooperate to make this project a success. In addition, the physical and biological monitoring is managed regionally.

Schedule and Budget: Long Key Upham Beach Stabilization

Use of Requested Program Funds for **FY15/16:** \$4,475,000
FY12/13 -14/15: \$83,200

The requested funds are for the removal of temporary geotextile T-groin structures, construction of permanent rock T-groin structures, and design/permitting for supplemental nourishment at Upham Beach. County costs incurred since 2012 that have not been reimbursed by FDEP and anticipated expenses in FY14/15 are also requested.

Schedule and Budget: Long Key Upham Beach Stabilization

Year	Proposed Method	Description	Total Estimated Cost	Federal Cost Share	Third Party Cost Share	State Cost Share	Local Cost Share
*2012/ 2013	Construction	T-groin Repairs	60,000	0	0	30,000	30,000
	Monitoring	T-groin Repairs (2 Inspections)	5,000	0	0	2,500	2,500
	Design/Permitting	Rock Structures	56,000	0	0	28,000	28,000
*2013/ 2014	Monitoring	T-groin Repairs (2 Inspections)	6,000	0	0	3,000	3,000
	Design/Permitting	Rock Structures	32,000	0	0	16,000	16,000
**2014/ 2015	Monitoring	T-groin Repairs (2 Inspections)	7,400	0	0	3,700	3,700
2015/ 2016	Construction	Rock Structures	8,800,000	0	0	4,400,000	4,400,000
	Design/Permitting	Supplemental Nourishment	150,000	0	0	75,000	75,000
2016/ 2017	Monitoring	1 st Year Structures	35,000	0	0	17,500	17,500
	Design/Permitting	Supplemental Nourishment	75,000	0	0	37,500	37,500
	Construction	Supplemental Nourishment	2,200,000	0	0	1,100,000	1,100,000
2017/ 2018	Monitoring	2 nd Year Structures, 1 st Year Nourishment	42,000	0	0	21,000	21,000
2018/ 2019	Monitoring	3 rd Year Structures, 2 nd Year Nourishment	45,000	0	0	22,500	22,500
2019/ 2020	Monitoring	4 th Year Structures, 3 rd Year Nourishment	47,000	0	0	23,500	23,500
2020/ 2021							
2021/ 2022	Monitoring	5 th Year Nourishment					
2022/ 2023							
2023/ 2024	Monitoring	7 th Year Nourishment					
2024/ 2025							

* Reimbursement request for work prior to 2015/16 ** Work planned for FY2014/15

Project Benefits: This project will serve to stabilize the beach with four rock T-groin structures followed by a supplemental nourishment to back fill the T-groins with sand. The T-groins will slow erosion and decrease the frequency of nourishment projects thus greatly decreasing the long term costs of maintaining a wide viable beach for storm protection, recreational use and nesting sea turtle and shore bird habitat.

The Long Key Upham Beach Stabilization project area contains one Primary Beach Access Site with over 40% of the shoreline zoned commercial recreational. The map submitted with the complete funding request will document public beach access, parking, bike racks, restroom facilities, and commercial recreational land use in the Upham Beach project area. Sea turtles utilize the project area for nesting, but it is not located in a designated marine turtle refuge. The County provides beach vegetation to St. Pete Beach communities at no cost to establish dunes along the length of the project.

The Pinellas County projects have been cited as an example of regionalization in the State Strategic Management Plan. The Long Key project when nourished is combined with the Treasure Island nourishment project to save on construction and administrative costs. The City of St. Pete Beach cooperates with the County to make this project a success. In addition, the physical and biological monitoring is managed regionally.

Schedule and Budget: Long Key Upham Beach Nourishment

Use of Requested Program Funds for FY15/16:

No funds are requested for FY15-16. Funds for Year 2 and Year 3 of the Upham Beach nourishment post construction monitoring are covered by grant 12PI1.

Year	Proposed Method	Description	Total Estimated Cost	Federal Cost Share	Third Party Cost Share	State Cost Share	Local Cost Share
2015/ 2016		No Funding Requested					
2016/ 2017		No Funding Requested					
2017/ 2018	Construction Upham	Federal Nourishment	2,500,000	1,500,000	0	500,000	500,000
	Monitoring Upham	Yr 1 Turtle/Tilling	5,000	0	0	2,500	2,500
2018/ 2019	Monitoring Upham	Yr 2 Turtle/Tilling	5,000	0	0	2,500	2,500
2019/ 2020	Monitoring Upham	Yr 3 Tilling	2,400	0	0	1,200	1,200
2020/ 2021	Construction Upham	Federal Nourishment					
	Monitoring Upham	Yr 1 Turtle/Tilling					
2021/ 2022	Monitoring Upham	Yr 2 Turtle/Tilling					
2022/ 2023	Monitoring Upham	Yr 3 Tilling					
2023/ 2024	Construction Upham	Federal Nourishment					
	Monitoring Upham	Yr 1 Turtle/Tilling					
2024/ 2025	Monitoring Upham	Yr 2 Turtle/Tilling					

Project Benefits: This project will serve to nourish Upham Beach on a 3-4 year interval. If rock structures are constructed, it's anticipated the nourishment interval will decrease to nourishments needed every 5 to 6 years thus saving considerable funds over the next 15-20 years to maintain a wide viable beach for storm protection, recreational use, and nesting sea turtle and shore bird habitat.

The Long Key Upham Beach project area contains one Primary Beach Access Site with over 40% of the shoreline zoned commercial/recreational. The map submitted with the complete funding request will document public beach access, parking, bike racks, restroom facilities, and commercial/recreational land use in the project area. Sea turtles utilize the project area for nesting, but it is not located in a designated marine turtle refuge. The County provides beach vegetation to St. Pete Beach communities at no cost to establish dunes along the length of the project.

The Pinellas County projects have been cited as an example of regionalization in the State Strategic Management Plan. The Long Key project when nourished is combined with the Treasure Island nourishment project to save on construction and administrative costs. The City of St. Pete Beach cooperates with the County to make this project a success. In addition, the physical and biological monitoring is managed regionally.

Schedule and Budget: Long Key Pass-A-Grille Beach Nourishment

Use of Requested Program Funds for FY15/16: \$11,000

Funds are requested for Year 2 post construction turtle monitoring and beach tilling.

Schedule and Budget: Long Key Upham Beach Nourishment

Year	Proposed Method	Description	Total Estimated Cost	Federal Cost Share	Third Party Cost Share	State Cost Share	Local Cost Share
2015/ 2016	Monitoring Pass-A-Grille	Yr 2 Turtle/Tilling	14,000	0	0	7,000	7,000
2016/ 2017	Monitoring Pass-A-Grille	Yr 3 Tilling	8,000	0	0	4,000	4,000
2017/ 2018							
2018/ 2019							
2019/ 2020							
2020/ 2021							
2021/ 2022							
2022/ 2023							
2023/ 2024	Construction Pass-A-Grille	Nourishment					
	Monitoring Pass-A-Grille	Yr 1 Turtle/Tilling					
2024/ 2025	Monitoring Pass-A-Grille	Yr 2 Turtle/Tilling					

Project Benefits: The Long Key Pass-A-Grille project area contains one Primary Beach Access Site with nearly the entire shoreline zoned recreational. The map submitted with the complete funding request will document public beach access, parking, bike racks, restroom facilities, and commercial/recreational land use in the project area. Sea turtles utilize the entire project area for nesting, but it is not located in a designated marine turtle refuge. The County provides beach vegetation to St. Pete Beach communities at no cost to establish dunes along the length of the project.

The Pinellas County projects have been cited as an example of regionalization in the State's Strategic Management Plan. The Long Key nourishment project is combined with the Treasure Island nourishment project to save on construction and administrative costs. The City of St. Pete Beach cooperates with the County to make this project a success. In addition, the physical and biological monitoring is managed regionally.