

Meeting Date
July 21, 2015



AGENDA	
Section	Consent
Item No.	II.A.2

**AGENDA REPORT**  
**BREVARD COUNTY BOARD OF COUNTY COMMISSIONERS**

SUBJECT:	Brevard County Shore Protection Project: Resolution, Long Range Budget and State Cost-Share Request <b>Fiscal Impact: Up to \$7,838,383 in Tourist Development Tax (TDT) match for up to \$23,498,117 in State and Federal funds</b>
DEPT/OFFICE:	Natural Resources Management Department (NRM)

Requested Action:

It is requested that the Board of County Commissioners: 1) approve a resolution supporting the Brevard County Shore Protection Project; 2) request State grant cost-share funding, matched by Federal funds and local option tourist tax that is dedicated to the Beach Improvement Fund for shore protection projects; 3) authorize the County Manager or designee to execute contracts and task orders to secure grant funds and accomplish work approved under grants; and 4) authorize necessary budget change requests.

Summary Explanation & Background:

In order to assist local governments with the non-federal costs of restoring Florida's critically eroded beaches, the State Legislature provides matching grants to local governments. The Florida Department of Environmental Protection (FDEP) ranks local government requests by using criteria adopted by the Florida Legislature.

On June 1st, the State released a call for submittals for Beach Management Funding Assistance for FY16-17 within the FDEP Long Range Budget Plan (LRBP). To apply for the funds, local governments must submit the following documents to the FDEP by July 31, 2015: a supporting resolution, a 5-year LRBP and a 10-year Estimated Project Schedule. Project specific information will be compared by the FDEP to legislated criteria to determine Brevard County's rank and cost-share for receiving State matching funds in State FY16-17. The attached LRBP is an update of the FY15-16 LRBP approved by the Board of County Commissioners on July 8, 2014.

Projects included in the State FY16-17 request include design and construction for the Mid Reach of the Federal Shore Protection Project and required monitoring and maintenance needs for the North and South Reaches. Estimated costs for these activities total \$31,336,500 including \$16,335,000 Federal, \$7,163,117 State and \$7,838,383 Local funds. The required local match is committed in Tourist Development Council's Dedicated Beach Improvement Fund. If Brevard's projects receive beach funds allocated by the Legislature for State FY16-17, FDEP grant agreements will be executed to secure funding.

According to an economic study completed by Dr. William Stronge at Florida Atlantic University in 2013, each \$1 invested by the State on beach restoration is responsible for generating \$48.60 in revenues.

**Fiscal Impact:** FY 14-15 No fiscal impact  
**FY 15-16 Fund 1442/293100 up to \$7,838,383 in local match**  
**Up to \$ 7,163,117 in State grants and up to \$16,335,000 in Federal match**

**Name:** Virginia Barker, or Mike McGarry, NRM – 633-2016

Clerk to the Board instruction: Three (3) copies of signed resolution – one (1) copy for Clerk of Court and two (2) copies for NRM.

Exhibits Attached: **Attachment A:** Brevard County Long Range Budget Request and Estimated Project Schedule  
**Attachment B:** Resolution supporting the Brevard County Shore Protection Project and requesting State cost-share funding.

Contract /Agreement (If attached): Reviewed by County Attorney Yes  No  PR

County Manager

Assistant County Manager

Department Director / Extension

Stockton Whitten

*Virginia Barker*  
 Virginia Barker, Interim



Tammy Etheridge, Clerk to the Board, 400 South Street • P.O. Box 999, Titusville, Florida 32781-0999

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July 22, 2015

MEMORANDUM

TO: Virginia Barker, Natural Resources Management Interim Director Attn: Mike McGarry  
RE: Item II.A.2., Resolution for Shore Protection Project of Long Range Budget and State Cost-Share Request

The Board of County Commissioners, in regular session on July 21, 2015, adopted Resolution 15-105, supporting the Brevard County Shore Protection Project; requested State grant cost-share funding, matched by Federal funds and local option tourist tax that is dedicated to the Beach Improvement Fund for shore protection projects; authorized the County Manager or designee to execute contracts and task orders to secure grant funds and accomplish work approved under grants; and authorized necessary budget change requests. Enclosed are two fully-executed Resolutions.

Your continued cooperation is appreciated.

Sincerely,

BOARD OF COUNTY COMMISSIONERS  
SCOTT ELLIS, CLERK

Tammy Etheridge, Deputy Clerk

/kg

Encls. (2)

cc: Finance  
Budget

## RESOLUTION NO. 2015 - 105

A RESOLUTION BY THE BOARD OF COUNTY COMMISSIONERS, BREVARD COUNTY, FLORIDA, SUPPORTING THE BREVARD COUNTY SHORE PROTECTION PROJECT AND REQUESTING STATE COST-SHARE FUNDING AS A MATCH FOR DEDICATED LOCAL FUNDS.

WHEREAS, a healthy beach and dune profile provides the best protection for upland properties and infrastructure during a severe storm event, provides sandy beaches for public recreation, and provides dry beaches and dunes for marine turtle nesting; and

WHEREAS, a 36.5-mile segment of Brevard County's shoreline, running south from Canaveral Inlet, has been identified by the Florida Department of Environmental Protection, Office of Beaches and Coastal Systems as a Critical Erosion Area pursuant to Florida Statutes Sections 161.101 and 161.161; and

WHEREAS, Brevard County, acting as local sponsor in a 50-year contract with the U.S. Army Corps of Engineers, has placed beach quality sand along 9.5 miles of shoreline immediately south of Canaveral Inlet and 3.8 miles along the towns of Indialantic and Melbourne Beach, and has agreed to monitor and maintain both of these beaches located within the State's designated Critical Erosion Area; and

WHEREAS, Brevard County is also pursuing beach and/or dune restoration projects along the Mid Reach portion of the Critical Erosion Area, a project recently determined to be both economically and environmentally feasible by the Army Corps of Engineers, and

WHEREAS, Brevard County is required to monitor the physical performance of the restored beach and marine turtle nesting success for at least three years subsequent to any nourishment activity; and

WHEREAS, Brevard County is in full support of the Florida Department of Environmental Protection's Beach Management Funding Assistance Program and Long-Range Budget Planning Process, and has the ability to provide necessary local match; and

WHEREAS, Brevard County is desirous of cost-sharing with the State of Florida for the non-federal costs of restoring our beaches and monitoring their performance, and has committed to the Army Corps of Engineers our ability to fund the local matching share of project costs for the duration of the 50-year contract;

NOW, THEREFORE, BE IT RESOLVED that the Brevard County Board of County Commissioners request state cost sharing as detailed in the County's Long-Range Budget Plan submitted to the Beach Erosion Control Program administered by the Florida Department of Environmental Protection's Florida Beach Management Funding Assistance Program.

DONE, ORDERED AND ADOPTED in Regular Session this 21st day of July, 2015.

ATTEST:

BOARD OF COUNTY COMMISSIONERS  
OF BREVARD COUNTY, FLORIDA

  
\_\_\_\_\_  
Scott Ellis, Clerk

BY: 

\_\_\_\_\_  
Robin Fisher, Chairman

As adopted by the Board of County  
Commissioners on July 21, 2015

(SEAL)

**Brevard County Long Range Budget Shore Protection Request Plan**

<b>FY 2016-17</b>			<b>Estimated Project Costs</b>			
<b>Task#</b>	<b>Task</b>	<b>Item</b>	<b>Total</b>	<b>Federal</b>	<b>State</b>	<b>Local</b>
2	Design and Permitting	Mid Reach construction QA/QC	\$110,000		\$52,536	\$57,464
3	Construction	Mid Reach Construction	\$30,250,000	\$16,335,000	\$6,645,804	\$7,269,196
3	Construction	N&S Tilling	\$127,500		\$59,594	\$67,907
4	Monitoring	Mid Reach Environmental, Physical, Bathymetric	\$600,000		\$286,560	\$313,440
4	Monitoring	N&S Reach 17	\$249,000		\$118,624	\$130,376
		<b>Total</b>	<b>\$31,336,500</b>	<b>\$16,335,000</b>	<b>\$7,163,117</b>	<b>\$7,838,383</b>
<b>FY 2017-18</b>			<b>Estimated Project Costs</b>			
<b>Task#</b>	<b>Task</b>	<b>Item</b>	<b>Total</b>	<b>Federal</b>	<b>State</b>	<b>Local</b>
4	Monitoring	Mid Reach Environmental, Physical, Bathymetric	\$600,000		\$286,560	\$313,440
		<b>Total</b>	<b>\$600,000</b>	<b>\$0</b>	<b>\$286,560</b>	<b>\$313,440</b>
<b>FY 2018-19</b>			<b>Estimated Project Costs</b>			
<b>Task#</b>	<b>Task</b>	<b>Item</b>	<b>Total</b>	<b>Federal</b>	<b>State</b>	<b>Local</b>
3	Construction	South Reach Nourishment	\$12,000,000	\$6,720,000	\$2,467,872	\$2,812,128
3	Construction	North Reach Nourishment	\$15,000,000	\$15,000,000		
3	Construction	N & S Reaches QA/QC	\$110,000		\$51,414	\$58,586
4	Monitoring	Mid Reach Environmental, Physical, Bathymetric	\$600,000		\$286,560	\$313,440
4	Monitoring	N&S Reach	\$250,000		\$119,100	\$130,900
		<b>Total</b>	<b>\$27,960,000</b>	<b>\$21,720,000</b>	<b>\$2,924,946</b>	<b>\$3,315,054</b>
<b>FY 2019-20</b>			<b>Estimated Project Costs</b>			
<b>Task#</b>	<b>Task</b>	<b>Item</b>	<b>Total</b>	<b>Federal</b>	<b>State</b>	<b>Local</b>
3	Construction	Mid Reach Truckhaul	\$11,000,000	\$4,862,000	\$2,487,731	\$3,650,269
3	Construction	Mid Reach QA/QC Construction Oversight	\$100,000		\$47,760	\$52,240
4	Monitoring	Mid Reach Environmental, Physical, Bathymetric	\$600,000		\$286,560	\$313,440
4	Monitoring	N&S Reach	\$250,000		\$119,100	\$130,900
		<b>Total</b>	<b>\$11,950,000</b>	<b>\$4,862,000</b>	<b>\$2,941,151</b>	<b>\$4,146,849</b>
<b>FY 2020-21</b>			<b>Estimated Project Costs</b>			
<b>Task#</b>	<b>Task</b>	<b>Item</b>	<b>Total</b>	<b>Federal</b>	<b>State</b>	<b>Local</b>
3	Construction	N&S Tilling	\$127,500		\$59,594	\$67,907
3	Construction	Mid-Reach Tilling	\$100,000		\$47,760	\$52,240
4	Monitoring	Mid Reach Environmental, Physical, Bathymetric	\$600,000		\$286,560	\$313,440
4	Monitoring	N&S Reach	\$250,000		\$119,100	\$130,900
		<b>Total</b>	<b>\$1,077,500</b>	<b>\$0</b>	<b>\$513,014</b>	<b>\$564,487</b>

**Estimated Project Schedule (6-10 years out)**

**FY 2021-22**

Task#	Task	Item
4	Monitoring	Mid Reach
4	Monitoring	N&S Reach

**FY 2022-23**

Task#	Task	Item
3	Construction	Mid Reach Nourishment
4	Monitoring	Mid Reach

**FY 2023-24**

Task#	Task	Item
4	Monitoring	Mid Reach
4	Monitoring	N&S Reach

**FY 2024-25**

Task#	Task	Item
3	Construction	N&S Reach Nourishment
4	Monitoring	Mid Reach
4	Monitoring	N&S Reach

**FY 2025-26**

Task#	Task	Item
3	Construction	MidReach Nourishment
4	Monitoring	Mid Reach
4	Monitoring	N&S Reach

**FY 2021-22**

Task#	Task	Item
3	Construction	Mid Reach Construction
3	Construction	North Reach Nourishment
4	Monitoring	Mid Reach
4	Monitoring	N&S Reach