



Broward County

Legislation Text

File #: 20-1670, Version: 1

Broward County Commission Regular Meeting

Director's Name: Leonard Vialpando

Department: Environmental Protection

Division: Environmental Planning & Comm. Resilience

Information

Requested Action

A. MOTION TO APPROVE Florida Department of Environmental Protection (FDEP) Agreement No. 19BO3 for cost-sharing of the Port Everglades Sand Bypass Project, providing for \$1,231,250 in 2015/2016 and 2016/2017 legislative appropriations, and authorizing the Mayor and Clerk to execute same. **(Commission Districts 4 and 7)**

(Commissioner Furr pulled this item.)

ACTION: (T-10:27 AM) Approved. (Refer to minutes for full discussion.)

VOTE: 8-0. Commissioner Rich voted in the affirmative telephonically. Commissioner Sharief was not present during the vote.

ACTION: (T-10:30 AM) Commissioner Sharief requested being shown voting in the affirmative. (Refer to minutes for full discussion.)

VOTE: 9-0.

B. MOTION TO APPROVE Florida Department of Environmental Protection (FDEP) Agreement No. 20BO1 for cost-sharing of the Segment II Shore Protection Project, providing for \$72,630 in 2019-2020 legislative appropriations, and authorizing the Mayor and Clerk to execute same. **(Commission District 4)**

(Commissioner Furr pulled this item.)

ACTION: (T-10:27 AM) Approved. (Refer to minutes for full discussion.)

VOTE: 8-0. Commissioner Rich voted in the affirmative telephonically. Commissioner Sharief was not present during the vote.

ACTION: (T-10:30 AM) Commissioner Sharief requested being shown voting in the affirmative. (Refer to minutes for full discussion.)

VOTE: 9-0.

Why Action is Necessary

A. Chapter 161.101(4), Florida Statutes, provides for local governments and the FDEP to enter into cooperative agreements for the purpose of improving, furthering, and expediting the state's beach management program.

B. Chapter 161.101(4), Florida Statutes, provides for local governments and the FDEP to enter into cooperative agreements for the purpose of improving, furthering, and expediting the state's beach management program.

What Action Accomplishes

A. Authorizes reimbursement of \$1,231,250 from FDEP Beach Management Funding Assistance Program.

B. Authorizes reimbursement of \$72,630 from FDEP Beach Management Funding Assistance Program.

Is this Action Goal Related

Yes

Previous Action Taken

None.

Summary Explanation/Background

THE ENVIRONMENTAL PROTECTION AND GROWTH MANAGEMENT DEPARTMENT AND THE ENVIRONMENTAL PLANNING AND COMMUNITY RESILIENCE DIVISION RECOMMEND APPROVAL OF THE ABOVE MOTIONS.

This item supports the Board's Value of "Encouraging investment in renewable energy, sustainable practices and environmental protection" and Goal 2: Proactively lead in the planning, design and construction of projects to support community resilience and climate adaptation by ensuring that publicly accessible beaches are sufficient in dimension (i.e. >75 feet in width) to provide storm protection, recreational opportunities, and sea turtle nesting habitat.

Motion A:

Port Everglades Inlet and the associated Federal navigation project act as complete barriers to littoral drift along the southern Broward County shoreline. Most sand naturally transported to the inlet from the north is either 1) deposited along the shoreline north of the rubble spoil shoal located north of the inlet; 2) lost to the inlet channel; and/or 3) transported offshore. The effect of this is chronic shoreline erosion immediately south of the inlet (i.e., the Segment III shoreline).

The need for artificial sand bypassing at Port Everglades Inlet has been evaluated by numerous investigations completed by both the Corps of Engineers and Broward County during the last fifty years. Consistently, all of these investigations have recognized that the Port Everglades Inlet constitutes a complete barrier to littoral drift along the southern Broward County shorelines and artificial sand bypassing is the only method of physically transferring sand across the inlet.

The Port Everglades Sand Bypass Project proposes to create and modify inlet infrastructure on the north side of the inlet to provide sand collection and storage facilities sufficient to support the economical collection and transfer of beach compatible sand to the shoreline south of the inlet. The project includes construction of a sand trap on the north side of the inlet and the periodic transfer of sand across the inlet every two to four years. A portion of the rubble spoil shoal located about 800 feet north of the inlet will be removed to reduce sand accumulation along the north shoreline and make sand available in the sand trap for transfer to the beaches south of the inlet. All bypassed sand will be placed within the alongshore and cross-shore limits of the Broward County Shore Protection Segment III fill template. It is anticipated that the sand quantity to be bypassed across the inlet may vary from 100,000 to 225,000 cubic yards per event. Implementation of sand bypassing at Port Everglades is a crucial part of the County's long-term regional beach management goals. The County has received the Joint Coastal Permit for the Port Everglades Sand Bypass Project from the State Department of Environmental Protection and United States Army Corps of Engineers. Construction of the sand trap is currently estimated to commence mid-2021 and to conclude in late 2021.

The Agreement Number 19BO3 provides \$1,231,250 in State funds for the FDEP share of the costs for design and permitting. The State will reimburse 75% of the costs of design and permitting for the Port Everglades Sand Bypass Project.

Motion B:

The Segment II Shore Protection Project is located along the central portion of the Broward County shoreline located between Hillsboro Inlet and Port Everglades along the Atlantic Ocean. The project not only supports tourism and the local economy, it also protects upland property and provides critical habitat to marine life. It is 4.9 miles in length and fronts the Town of Lauderdale-by-the-Sea, the City of Pompano Beach, and the City of Fort Lauderdale. The project was constructed in 2016 and placed approximately 750,000 cubic yards of sand in addition to creating over 1.5 miles of additional dune habitat. The project also involves the construction of 6.8 acres of artificial reef as mitigation to predicted impacts to nearshore hardbottom. Post-construction monitoring is also being performed to assess project performance.

This Agreement Number 20BO1 provides \$72,630 in State funds for the FDEP share of the costs for post-construction monitoring activities. The State reimburse 40.72% of the post-construction monitoring costs for the Segment II Shore Protection Project.

The agreements are state funding agreements that do not include the County's standard terms, including the ability for DEP to set a retainage amount, minimum insurance requirements, venue for any lawsuits that arise in Leon County, FL, and that the early start date is the beginning of the Reimbursement Period during which the County's incurred costs can be reimbursed under this agreement. The agreements contain terms and requirements that must be satisfied by Broward County both to receive and keep the grant award money, including but not limited to procurement, reporting, and audit requirements. The agreements also allocate the local share of the estimated project costs.

The grants have been reviewed and approved by Grants Administration. The County Attorney's Office has reviewed and approved the agreements as to legal form.

Source of Additional Information

Dr. Jennifer Jurado, Chief Resilience Officer and Deputy Director, Environmental Protection and Growth Management Department, (954) 519-1464.

Fiscal Impact

Fiscal Impact/Cost Summary

Motion A: The total project cost is not to exceed \$1,641,667 for which funds are allocated within the Beach Renourishment Capital Fund. Per the grant agreement, FDEP will reimburse \$1,231,250 in appropriations for project tasks to the County.

Motion B: The total project cost is not to exceed \$397,249 for which funds are allocated within the Beach Renourishment Capital Fund. Per the grant agreement, FDEP will reimburse \$72,630 in appropriations for project tasks to the County.