

**INDIAN RIVER COUNTY, FLORIDA  
BOARD MEMORANDUM**

**DEPARTMENTAL**

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**TO:** Jason E. Brown,  
County Administrator

**THROUGH:** Richard B. Szpyrka, P.E.  
Public Works Director

**FROM:** Kendra Cope, M.S.  
Coastal Resources Coordinator

**SUBJECT:** **Award of Bid No. 2019066  
Sector 5 Beach and Dune Restoration Project**

**DATE:** September 9, 2019

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**DESCRIPTION AND CONDITIONS**

The proposed project award is for a construction contract between the County and Rio-Bak Corporation. (Rio-Bak) for the Sector 5 Beach and Dune Restoration Project.

The Sector 5 project area is a 3.1-mile section of shoreline that extends from the Seawatch Condos just north of Tracking Station Beach Park south to the Riomar Golf Course that sustained damages from Hurricane Matthew (2016) and Hurricane Irma (2017). The proposed project will restore losses from these storms and background erosion by strategically placing approximately 123,800 cubic yards of beach compatible sand within the project areas.

On July 14, 2019, the County advertised the project, soliciting bids to restore the dunes and beaches using upland sand sources identified in the Florida Department of Environmental Protection (FDEP) Permit and Permit Modification.

The bid opening was held on August 20, 2019. Six (6) responsive bids were received. Upon review, all responsive bidders submitted a bid identifying use of a permitted upland sand source. All supporting bid documents are on file and available for viewing in the Public Works Department. A detailed bid tabulation can be found on page 2 of staff report.

County staff, with support from the County's engineering consultant for the project, APTIM, LLC. reviewed the bids. Rio-Bak Corporation is considered the be the lowest, responsive, responsible bidder for the project with a bid totaling \$4,511,712.00. Rio-Bak will be using a permitted upland sand mine and sand source for the project.

<b>Bidders Name</b>	<b>Location</b>	<b>Total Cost</b>
Rio-Bak Corporation	Wellington, FL	\$4,511,712.00
Guettler Brothers Construction, LLC	Ft. Pierce, FL	\$4,630,447.00
Eastman Aggregate Enterprises, LLC	Lake Worth, FL	\$4,820,145.00
Ferreira Construction Southern Division Co., Inc	Hobe Sound, FL	\$4,875,831.00
Phillips and Jordan, Inc.	Zephyrhills, FL	\$5,427,647.88
XGD systems, LLC	Stuart, FL	\$5,861,454.23

The eye of Hurricane Dorian passed approximately 105 miles offshore of Vero Beach on September 3, 2019. An estimated 50,000 cubic yards of sand was eroded from the Sector 5 project area due to storm activity. The estimated cost to replace sand lost from Hurricane Dorian is approximately \$1,250,000.00. Staff is currently working to obtain more detailed data regarding the loss of sand within Sector 5 for a possible change order to the contractor. Additionally, staff is working on securing funds for the estimated cost of additional sand.

### **FUNDING**

#### **Local Cost-Share:**

Local funding for beach restoration is provided by a portion of Local Option Tourist Tax. Funding for construction of the Sector 5 Beach and Dune Restoration Project in the amount of \$4,511,712.00 is budgeted and available in Beach Restoration Fund/Sector 5 Beach Renourishment/Hurricane Matthew, Account # 12814472-066510-17001.

#### **Federal Cost-Share:**

The County currently has two Project Worksheets (PW) issued by FEMA for Sector 5 Beach and Dune Restoration. Both the Hurricane Matthew PW #808 and the Hurricane Irma PW #3025 have been obligated by the State. This FEMA funding, in the amount of approximately \$1,177,321.30, will aid the County in repairing associated storm losses within the project area.

#### **State Cost-Share:**

FDEP has allocated \$1.7 Million for the Sector 5 Beach and Dune Restoration Project. On August 19, 2019 the County received draft grant Agreement No. 19IR3 committing state funds for the feasibility, design, and construction phases of the Sector 5 Beach and Dune Restoration Project. The 19IR3 grant commits up to \$2,779,289.04 including an estimated \$1,030,156.13 Federal contribution. The cost-share ratio for the feasibility study is shared at 50%-50% while design and construction activities have a cost share ratio of 46.65% State – 53.35% Local, with a maximum of \$821,833.00 in State funding. Staff anticipates the remainder of the \$1.7 Million will be awarded through an amendment of 19IR3 once funds are available. The draft grant agreement is being presented as a Consent item to the Board with staff's recommendation to enter into the funding agreement.

### **RECOMMENDATION**

Staff recommends that the project be awarded to Rio-Bak Corporation in the amount of \$4,511,712.00 and requests that the Board of County Commissioners approve the sample agreement and authorize the Chairman to execute said agreement after review and approval of the agreement and public construction bond by the County Attorney, and after receipt and approval of the required insurance by the Risk Manager.

### **ATTACHMENT**

1. Sample Agreement
2. APTIM Bid Recommendation Letter 8/23/19

### **APPROVED AGENDA ITEM FOR SEPTEMBER 17, 2019**