

**INDIAN RIVER COUNTY, FLORIDA  
MEMORANDUM**

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

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

**FROM:** Eric Charest, Natural Resources Manager

**SUBJECT:** Award of Bid No. 2021050  
Phase 2 of Sector 3 (IRC-2109) Beach and Dune Restoration

**DATE:** September 21, 2021

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**DESCRIPTION AND CONDITIONS**

The proposed project award is for a construction contract between the County and Guettler Brothers Construction, LLC for Phase 2 of the Sector 3 Beach and Dune Restoration Project.

Sector 3 encompasses approximately 6.6 miles of coastline in North Beach, the Town of Orchid, Wabasso Beach, Indian River Shores, and unincorporated Indian River County. Sector 3 beaches sustained erosional damage from Hurricane Matthew (2016), Hurricane Irma (2017) and Hurricane Dorian (2019). The Sector 3 Beach and Dune Restoration project was designed and permitted to restore sand losses from these storms and from background erosion by placing beach compatible sand and native salt-tolerant dune plants along the 6.6 mile stretch from the Seaview subdivision in the north to just south of the Turtle Trail beach access. To avoid the sea turtle nesting season, construction activities on the beach are required to take place between November 1<sup>st</sup> and April 30<sup>th</sup> of each year. Due to a delayed start, the Sector 3 Beach and Dune Restoration project was divided into two (2) phases over two (2) construction years 2020/2021 and 2021/2022. Phase 1 construction began in January of 2021 and is anticipated to be completed by December 14, 2021. This agenda item addresses the proposed award of bid for Phase 2 of the Sector 3 Beach and Dune Restoration Project with construction slated to take place between November 1, 2021 and April 30, 2022.

Phase 2 of the Sector 3 project consists of restoration of the beach and dune to the southern 2.9 mile stretch of the County's Sector 3 Beaches. This phase of the construction project for Sector 3 will place approximately 280,000 cubic yards of beach compatible sand fill and install approximately 302,820 native dune plants along 2.9 miles of shoreline in Indian River County from FDEP range monuments R40 to R55 (Wabasso Beach Park continuing south to northern John's Island).

On August 6<sup>th</sup>, 2021, the County advertised the project, soliciting bids to restore the dunes and beaches for Phase 2 of the Sector 3 project using sand obtained from either (a) the County's Offshore Borrow area, or (b) an upland sand source pre-qualified by the County, and/or an upland sand source separately approved by the Florida Department of Environmental Protection.

The bid opening was held on September 8<sup>th</sup>, 2021. Three (3) responsive bids were received. Upon review, three (3) of the responsive bidders submitted a bid identifying use of an upland sand source, while zero (0) identified the use of the County’s Offshore Borrow area. All supporting bid documents are on file and available for viewing in the Public Works Department

County staff, with support from the County’s engineering consultant for the project, Aptim Environmental & Infrastructure, LLC (APTIM), reviewed the bids. Guettler Brothers Construction, LLC is considered the be the lowest, responsive, responsible bidder for the project with a bid totaling \$14,174,738.00, which is 3.1% lower than the next lowest bidder. Guettler Brothers Construction, LLC will be using a permitted upland sand mine as the source for sand for the project.

Bidders Name	Location	Total Bid Amount
Guettler Brothers Construction, LLC	Fort Pierce, FL	\$14,174,738.00
Phillips and Jordan, Inc.	Zephyrhills, FL	\$14,624,809.75
Ranger Construction Industries, Inc.	Fort Pierce, FL	\$15,324,834.20

**FUNDING**

Partial funding for the entire Sector 3 Beach and Dune Restoration Project is made available through FEMA funding as shown in the table below. Additionally, FDEP Local Governmental Funding Request (LGFR) grants are also made available for this project. FDEP LGFR 17IR2 identifies certain monitoring and design costs that the County can seek partial reimbursement for.

Outside Funding Sources	Gross Amount	Net Amount
FEMA Hurricane Matthew*	\$5,320,233	\$3,369,517
FEMA Hurricane Irma*	\$2,904,746	\$1,028,306
FEMA Hurricane Dorian *	\$3,113,021	\$2,723,893
FDEP Grant	17IR2 \$446,551	\$446,551
FDEP Grant**	\$7,322,869	\$7,322,869
<b>Total Funding</b>	<b>\$19,107,420</b>	<b>\$14,891,136</b>

\*Net of insurance proceeds received and local cost-share

\*\*This LGFR Grant has been approved for award from the FDEP, but not yet received for execution by the County. This LGFR Grant will also identify costs the County can seek partial reimbursement for.

The Funding identified above has been allocated for costs associated with the entire 6.6 mile Sector 3 Beach and Dune Restoration Project. Phase 1 of the Sector 3 Beach and Dune Restoration project which has not yet been completed, was awarded in the amount of \$14,474,110.00. Should the BCC award Phase 2 of the Sector 3 Beach and Dune Restoration project to the recommended bidder, that amount would be \$14,174,738.00 and increase the total cost of the Sector 3 Beach and Dune Restoration Project to \$28,648,848.00. Due to the lag time in receiving reimbursement from FEMA and FDEP, this project will require interfund borrowing until grant reimbursements have been received.

Local Cost-Share:

Local funding for beach restoration is provided by a portion of Local Option Tourist Tax. Funding for construction of the Sector 3 Beach and Dune Restoration Project in the amount of \$15,000,000.00 is budgeted and available in Beach Restoration Fund/Sector 3 Beach Renourishment/Hurricane Matthew, Hurricane Irma and Hurricane Dorian, Account # 12814472-066514-17001, in FY 2021/2022 budget.

**RECOMMENDATION**

Staff recommends that Phase 2 of the Sector 3 Beach and Dune Restoration Project (Bid 2021050) be awarded to Guettler Brothers Construction, LLC in the amount of \$14,174,738.00 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 21-0910

**APPROVED AGENDA ITEM FOR SEPTEMBER 21, 2021**