

**INDIAN RIVER COUNTY, FLORIDA
MEMORANDUM**

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. 2021012
Phase 1 of Sector 3 (IRC-1925) Beach and Dune Restoration

DATE: November 18, 2020

DESCRIPTION AND CONDITIONS

The proposed project award is for a construction contract between the County and Guettler Brothers Construction, LLC for Phase 1 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 1st and April 30th of each year, as such, due to the size of the project and delayed start date, the Sector 3 Beach and Dune Restoration project has been divided into two (2) phases over two (2) construction years 2020/2021 and 2021/2022. Construction on Phase 1 to take place in the 2020/2021 construction window and Phase 2 anticipated to take place in the 2021/2022 construction window. This agenda item addresses the proposed award of bid for Phase 1 of the Sector 3 Beach and Dune Restoration Project.

Phase 1 of the Sector 3 project consists of restoration of the beach and dune to the northern 3.7 mile stretch of the County's Sector 3 Beaches. This phase of the construction project for Sector 3 will place approximately 307,000 cubic yards of beach compatible sand fill and install approximately 200,710 native dune plants along 3.7 miles of shoreline in Indian River County from FDEP range monuments R20 to R40 (Seaview subdivision in the north continuing south to Wabasso Beach Park).

On October 11, 2020, the County advertised the project, soliciting bids to restore the dunes and beaches for Phase 1 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 November 13, 2020. Seven (7) responsive bids were received. Upon

review, six (6) of the responsive bidders submitted a bid identifying use of an upland sand source, while one (1) 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, Inc. (APTIM) reviewed the bids. Guettler Brothers Construction, LLC is considered to be the lowest, responsive, responsible bidder for the project with a bid totaling \$11,987,010.00. 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	\$11,987,010.00
Ranger Construction Industries, Inc.	Fort Pierce, FL	\$12,884,120.80
Rio-Bak Corporation	Wellington, FL	\$13,258,000.00
Phillips and Jordan, Inc.	Zephyrhills, FL	\$13,858,622.18
Ceres Environmental Services, Inc.	Sarasota, FL	\$14,973,504.20
Eastman Aggregate Enterprises, LLC	Lake Worth, FL	\$14,993,383.21
Weeks Marine, Inc.	Covington, LA	\$21,709,510.00

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. FEMA funding requires that the project be completed within 18 months of Project Worksheet issuance. As the Sector 3 Beach and Dune Restoration Project is very large and complex and is being targeted for completion in 2 phases of construction over the 2020/2021 and 2021/2022 construction windows, extensions to FEMA funding have been requested in order to retain funding availability. Additionally, a FDEP Local Governmental Funding Request (LGFR) grant is also made available for this project. FDEP LGFR 17IR2 identifies certain monitoring and design costs that the County can seek partial reimbursement for. This grant requires project completion by 4/30/2021.

Outside Funding Sources	Gross Amount	Net Amount
FEMA Hurricane Matthew*	\$5,320,233	\$3,369,517
FEMA Hurricane Irma*	\$2,904,746	\$1,075,711
FEMA Hurricane Dorian *	\$2,669,027	\$2,335,398
FDEP Grant 17IR2	\$446,551	\$446,551
Total Funding	\$11,340,557	\$7,227,177

*Net of insurance proceeds received and local cost-share

The Funding identified above has been allocated for costs associated with the entire 6.6 mile Sector 3 Beach and Dune Restoration Project. Funding for Phase 1 of this project that this agenda item covers is anticipated to be approximately 66% of the amounts shown above (the sand required to meet permitted fill template design for the 3.7 mile stretch for Phase 1 represents approximately 66% of the sand for the entire 6.6 mile length of the project). Based on that approach, the County anticipates \$4,769,937 of the funds identified above to be made available for Phase 1 of the Sector 3 Beach and Dune Restoration Project.

Local Cost-Share:

Local funding for beach restoration is provided by a portion of Local Option Tourist Tax. Funding for construction of Phase 1 of the Sector 3 Beach and Dune Restoration Project in the amount of \$7,217,073 is budgeted and available in Beach Restoration Fund/Sector 3 Beach Renourishment/Hurricane Matthew, Hurricane Irma and Hurricane Dorian, Account # 12814472-066514-17001.

In addition to the funds allocated under FDEP LGFR 171R2, an additional LGFR Grant application for construction costs has been submitted to the FDEP for the FY 2021/2022 funding period. This application has requested State matching funds to assist with the construction and monitoring costs associated with the full Sector 3 Beach and Dune Restoration Project. Review of the LGFR Grant application is underway by the FDEP, and we remain hopeful that a portion if not the entire amount of the County's request will be allocated.

RECOMMENDATION

Staff recommends that Bid 2021012 for Phase 1 of the Sector 3 Beach and Dune Restoration Project be awarded to Guettler Brothers Construction, LLC in the amount of \$11,987,010.00 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 20-1119

APPROVED AGENDA ITEM FOR DECEMBER 1, 2020