

**INDIAN RIVER COUNTY, FLORIDA  
BOARD MEMORANDUM**

**DEPARTMENTAL**

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**TO:** Board of County Commissioners

**THROUGH:** John Titkanich, Jr. County Administrator  
Kylie Yanchula, Natural Resources Director

**PREPARED BY:** Quintin Bergman, Coastal Resources Manager

**SUBJECT:** **Sector 4, Hurricanes Ian and Nicole Dune Renourishment Construction Administration, Coastal Technology Corporation Work Order No. 2023051-4**

**DATE:** September 10, 2024

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**DESCRIPTION AND CONDITIONS**

On August 29, 2023, the Board of County Commissioners (Board) approved a contract with Coastal Technology Corporation (Coastal Tech) for professional coastal engineering and biological support services related to the management the Sector 4 Hurricanes Ian and Nicole Dune Renourishment Project (Sector 4 Project).

The Sector 4 Project area is a 2.9-mile section of shoreline that extends from Florida Department of Environmental Protection (FDEP) Reference Monument R-55 in the north (approximately ½ mile south of the Turtle Trail Beach Access) to R-70 in the south (approximately ½ mile north of the Tracking Station Beach Park). The Sector 4 Project area sustained erosional damage from Hurricanes Ian and Nicole in late 2022 and needs a large-scale dune restoration project to maintain protection to upland properties and infrastructure, while restoring habitat for wildlife. Construction activities on the beach are limited to occur only between November 1<sup>st</sup> and April 30<sup>th</sup> each year to avoid the bulk of the sea turtle nesting and hatching season. Construction on the Sector 4 Project is anticipated to occur during the 2024/2025 construction window.

The Sector 4 Project will place approximately 135,000 cubic yards of beach compatible sand fill and install approximately 147,788 native dune plants along 2.9 miles of shoreline in Indian River County from FDEP range monuments R55 to R70.

Staff has recommended on today's BCC meeting (September 24, 2024) that the BCC award Bid No. 2025004 to Dickerson Infrastructure, Inc., dba Dickerson Florida, Inc. for the Sector 4 Hurricanes Ian and Nicole Dune Renourishment project. Should that recommendation be approved by the BCC, Sector 4 beaches would undergo a dune restoration project that would place approximately 135,000 cubic yards of beach compatible sand fill and install approximately 147,788 native dune plants along the shoreline in Indian River County from FDEP range monuments R55 to R70.

As construction activities would be performed in accordance with strict permit requirements, the proposed Work Order No. 2023051-4 from Coastal Technology Corporation (Coastal Tech) provides professional services in support of construction administration and monitoring during construction of the Sector 4 Hurricanes Ian and Nicole Dune Renourishment Project.

Work Order #2023051-4 includes six (6) separate tasks pertaining to construction administration services for the Sector 4 Hurricanes Ian and Nicole Dune Renourishment Project. Task one “a” (1a) covers Coastal Tech’s efforts associated with pre-construction permit compliance prior to construction. Task 1a is to be billed at a lump sum cost of \$23,750.25. Task one “b” (1b) is for Coastal Tech to update the construction drawings using the latest survey data collected in the summer of 2024. Task 1b is a lump sum cost of \$6,490.00. Task two “a” (2a) covers construction administration in-line with the contract documents at a cost of \$200,496.33. Task two “b” (2b) covers permit compliance during construction. Task 2b is a lump sum cost of \$37,080.00. Task two “c” (2c) covers permit required sea turtle nesting monitoring during construction. Task 2c is a not-to-exceed cost of \$115,562.94. Task two “d” (2d) covers permit required shorebird monitoring during construction. Task 2d is a not-to-exceed cost of \$8,807.00

Work Order No. 2023051-4 for construction administration and oversight services associated with the Sector 4 Hurricanes Ian and Nicole Dune Renourishment project is not to exceed \$392,186.52.

**FUNDING**

Funding in the amount of \$86,281.03 will come from the Coastal Engineering Fund/CIP/Hurricane Ian – Sector 4 account number 12814472-066515-22601, along with \$305,905.49 from the Coastal Engineering Fund/CIP/Storm Nicole – Sector 4 account number 12814472-066515-23007.

<b>Account Name</b>	<b>Account No.</b>	<b>Amount</b>
Coastal Engineering Fund/CIP/Hurricane Ian – Sector 4	12814472-066515-22601	\$86,281.03
Coastal Engineering Fund/CIP/Hurricane Nicole – Sector 4	12814472-066515-23007	\$305,905.49
<b>Total</b>		<b>\$392,186.52</b>

**RECOMMENDATION**

Staff recommends the BCC authorize Work Order No. 2023051-4 in the total lump sum amount of \$392,186.52. Additionally, staff recommends the BCC authorize the Chairman to execute Work Order No. 2023051-4.

**ATTACHMENT**

1. Exhibit 1 – Scope of Work
2. Work Order
3. Summary of Costs

**APPROVED AGENDA ITEM FOR: SEPTEMBER 24, 2024**