

**INDIAN RIVER COUNTY, FLORIDA
BOARD MEMORANDUM**

CONSENT

TO: Board of County Commissioners

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

PREPARED BY: Quintin Bergman, Coastal Resources Manager

SUBJECT: **Work Order No. 2023051-5 – Coastal Tech
Sector 4, Hurricanes Ian and Nicole Dune Renourishment
Immediate Post-Construction Monitoring**

DATE: January 23, 2025

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.

On September 24, 2024, the Board awarded Bid No. 2025004 to Dickerson Infrastructure, Inc., dba Dickerson Florida, Inc. for the Sector 4 Hurricanes Ian and Nicole Dune Renourishment project. The project started construction on November 1, 2024, and is currently being constructed with an estimated completion date of April 30, 2025. The project consists of dune restoration by placing approximately 135,000 cubic yards of beach compatible sand fill and installing approximately 147,788 native dune plants along the shoreline in Sector 4.

Regulatory permits issued for the beach restoration activities identify post-construction related environmental monitoring to be performed on a set schedule for several years following completion of construction. These environmental monitoring activities are evaluated to demonstrate compliance with permit conditions. In the case of the Sector 4 Hurricanes Ian and Nicole Dune Renourishment Project, post-construction escarpment monitoring, sea turtle, and shorebird nest monitoring is required.

The proposed Work Order No. 2023051-5, in the amount of \$293,643.41 includes three (3) separate tasks, providing professional services for permit required construction related physical and environmental monitoring for the Sector 4 Hurricanes Ian and Nicole Dune Renourishment Project. These tasks and associated costs are as follows:

- Task 1: Physical Monitoring Report for 2025 (\$25,630.00)
- Task 2: Lighting Surveys for 2025 (\$30,656.66)
- Task 3: Sea Turtle & Shorebird Monitoring for 2025 (\$237,356.75)

All subsequent annual post construction environmental monitoring of the Sector 4 Hurricanes Ian and

Nicole Dune Renourishment Project will be addressed through future work orders.

FUNDING

Funding in the amount of \$64,601.55 will be budgeted and available from the Coastal Engineering Fund/CIP/Hurricane Ian – Sector 4 account number 12814472-033490-22601, along with \$229,041.86 from the Coastal Engineering Fund/CIP/Storm Nicole – Sector 4 account number 12814472-033490-23007.

Account Name	Account No.	Amount
Coastal Engineering Fund/Other Contractual Services/Hurricane Ian – Sector 4	12814472-033490-22601	\$64,601.55
Coastal Engineering Fund/Other Contractual Services/Hurricane Nicole – Sector 4	12814472-033490-23007	\$229,041.86
Total		\$293,643.41

RECOMMENDATION

Staff recommends the Board authorize Work Order No. 2023051-5 in the total lump sum amount of \$293,643.41. Additionally, staff recommends the Board authorizes the Chairman to execute Work Order No. 2023051-5.

ATTACHEMENT

1. Work Order No 2023051-5 Agreement

APPROVED AGENDA ITEM FOR: FEBRUARY 11, 2025