

**INDIAN RIVER COUNTY, FLORIDA
MEMORANDUM**

TO: Jason E. Brown, County Administrator

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

THROUGH: Eric Charest, Natural Resources Manager

FROM: Kylie Ariotti, Beach Environmental Specialist

SUBJECT: Award of Bid No. 2022001
Sector 5 (IRC-2112) Additional Dune Planting Project

DATE: December 7, 2021

DESCRIPTION AND CONDITIONS

The proposed project award is for a construction contract between the County and Cardno Inc. for Sector 5 Additional Dune Planting Project.

The Sector 5 project area is a 3-mile section of shoreline that extends just north of Tracking Station Beach Park south to the Gables Oceanfront Condominiums. The Sector 5 project area sustained damage from Hurricane Matthew (2016), Hurricane Irma (2017), and Hurricane Dorian (2019). In response to the damage, the County completed the Sector 5 Beach and Dune Restoration Project in February 2020 in order to maintain protection to upland properties and infrastructure. Additional FEMA Funding was made available to the County for future storm mitigation efforts pertaining to the Sector 5 Beach and Dune Restoration Project in order to aid in the preservation of the dunes through additional planting of native dune vegetation.

On October 8th, 2021, the County advertised the project, soliciting bids to add additional dune vegetation, sea oats (*Uniola paniculata*), as a future storm mitigation effort to the completed Sector 5 project area. The Sector 5 Beach and Dune Restoration project area was previously planted in 2020 with approximately 120,750 diversity species including sea oats (*Uniola paniculata*), bitter panic grass (*Panicum amarum*), railroad vine (*Ipomoea pes-caprae*), and dune sunflower (*Helianthus debilis*). These 120,000 diverse species were 1-inch plugs, planted eighteen inches on center. The Sector 5 Additional Dune Planting Project mitigation planting will increase the number of sea oats planted adding 135,000 sea oats to the project area. 130,000 of these additional sea oats will remain the 1-inch plugs, while 5,000 will increase in size to 1 gallon.

The bid opening was held on November 10th, 2021. Three (3) bids were received, with one bid disqualified for failure to sign the bid form. 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. Cardno Inc. is considered the lowest, responsive, responsible bidder for the project with a bid totaling \$148,250.00 which is 29.2% lower than the next lowest bidder.

Bidders Name	Location	Total Bid Amount
Cardno Inc.	Riverview, FL	\$148,250.00
A + Environmental Restoration	Acadia, FL	\$209,400.00
Earth Balance	North Port, FL	DQ

FUNDING

Sector 5 Additional Dune Planting - Dune Vegetation Services in the amount of \$148,250.00 is budgeted and available in the Beach Restoration Fund, Hurricanes Matthew, Hurricane Irma and Hurricane Dorian Account - Sector 5, No. 12814472-066510-17001.

Account Name	Account No.	Amount
Sector 5 Beach Renourishment	12814472-066510-17001	\$148,250.00

RECOMMENDATION

Staff recommends that the Sector 5 Additional Dune Planting Project (Bid 2022001) be awarded to Cardno Inc. in the amount of \$148,250.00 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

APPROVED AGENDA ITEM FOR DECEMBER 7, 2021