

INDIAN RIVER COUNTY, FLORIDA BOARD MEMORANDUM

TO: Jason E. Brown, County Administrator

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

THROUGH: Eric Charest, Natural Resources Manager

SUBJECT: **Amendment No. 1 to APTIM Work Order No. 2018006-13, Sector 3 Beach and Dune Restoration Project (IRC1925) Post Construction Environmental Monitoring (Phase 1 Year 1 Monitoring and Phase 2 Immediate Post Construction Monitoring)**

DATE: July 28, 2022

DESCRIPTION AND CONDITIONS

On January 9, 2018, the Board of County Commissioners (BCC) approved a contract with Aptim Environmental & Infrastructure, Inc. (APTIM) for professional coastal engineering and biological support services related to the management and nourishment of the Sector 3 (Wabasso Beach) Beach and Dune Restoration Project. The Sector 3 project area is a critically eroded 6.6-mile section of shoreline that extends from the Seaview Subdivision in the north to just south of the Turtle Trail beach park. Sector 3 beaches sustained erosional damage from Hurricane Matthew (2016), Irma (2017), and Dorian (2019) creating the need for repair.

Construction of the Sector 3 Beach and Dune Restoration project has since been completed, with construction taking place in 2 phases based on the size and scope of the project. Phase 1 was constructed in 2021, with Phase 2 construction having been completed in January 2022. Phase 1 represented approximately 3.7 miles in the northern portion of the project area, with Phase 2 beginning at Wabasso Beach Park and continuing south approximately 2.9 miles.

On February 15, 2022 the BCC approved APTIM Work Order No. 2018006-13 for professional services related to permit required post-construction environmental monitoring for Phase 1 and Phase 2. These monitoring activities are evaluated to demonstrate compliance with permit conditions. In the case of the Sector 3 Beach and Dune Restoration Project, the required monitoring includes:

- Year 1 Post-Construction Biological Monitoring of Nearshore Hardbottom and Sea Turtle/Shorebird Monitoring for Phase 1. **(Task 1)**
- Immediate Post-Construction Biological Monitoring of Nearshore Hardbottom and Sea Turtle/Shorebird Monitoring for Phase 2 **(Task 2)**

The 2022 sea turtle nesting season has been more robust than expected, resulting in the need to increase the sea turtle monitoring portions of APTIM Work Order No. 2018006-13. As such,

Amendment No. 1 to Work Order No. 2018006-13 requests an increase of funds to cover costs associated with increased sea turtle monitoring services due to the higher numbers of nests observed on the County's beaches this season. Amendment No. 1 to Work Order No. 2018006-13 increases the fees by \$19,117.50 per the breakdown below:

- Year 1 Post-Construction Sea Turtle Monitoring for Phase 1, increase of \$12,339.15.
(Task 1)
- Immediate Post-Construction Sea Turtle Monitoring for Phase 2, increase of \$6,778.35.
(Task 2)

FUNDING

Local funding of Beach Restoration includes a portion of Local Option Tourist Tax Revenue, FEMA project worksheets and FDEP grants. Funding for Amendment No. 1 to Work Order No. 2018006-13 in the amount of \$19,117.50 is budgeted and available for the Sector 3 Beach and Dune Nourishment Project in the Beach Restoration Fund/Sector 3 Post Construction Monitoring Account No. 12814472-033490-05054.

Account Name	Account No.	Amount
Sector 3 Post Construction Monitoring	12814472-033490-05054	\$19,117.50

RECOMMENDATION

Staff recommends the BCC authorize Amendment No. 1 to Work Order No. 2018006-13 in the total lump sum amount of \$19,117.50. Additionally, staff recommends the BCC authorize the Chairman to execute Amendment No. 1 to Work Order No. 2018006-13.

ATTACHMENTS

- 1.0 2018006-13 Amendment No 1
- 2.0 2018006-13 Amendment No 1 Execution

APPROVED AGENDA ITEM FOR: AUGUST 16, 2022