

**INDIAN RIVER COUNTY, FLORIDA  
BOARD MEMORANDUM**

**CONSENT**

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**TO:** Board of County Commissioners

**THROUGH:** John A. Titkanich, Jr., County Administrator

**THROUGH:** Richard B. Szyrka, P.E., Public Works Director

**PREPARED BY:** Eric Charest, Natural Resources Manager

**SUBJECT:** Sector 3 Beach and Dune Restoration Project (IRC1925) APTIM, Work Order No. 2018006-16, Year 1 Post-Construction Engineering Monitoring Report

**DATE:** August 14, 2023

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**DESCRIPTION AND CONDITIONS**

On January 9, 2018, the Board of County Commissioners (BCC) approved a contract with Aptim Environmental & Infrastructure, LLC (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. This area sustained erosional damage from Hurricane Matthew (2016), Irma (2017), and Dorian (2019) creating the need for repair.

Regulatory permits issued for the beach restoration activities identify post-construction related monitoring to be performed on a set schedule for several years following completion of construction. These monitoring activities are evaluated to demonstrate compliance with permit conditions. APTIM will develop an engineering monitoring report that discusses the performance of the beach fill project in order to meet FDEP JCP Permit 0285993-009-JC requirements.

The proposed Work Order No. 2018006-16 in the amount of \$27,818.00 provides professional services for permit required year 1 post-construction engineering monitoring which includes:

- Year 1 Post-Construction Engineering Monitoring Report (Task 1)

All subsequent annual post construction engineering monitoring of the Sector 3 Project area will be addressed through future work orders.

**FUNDING**

Funding for Year 1 Post-Construction Engineering Monitoring Report in the amount of \$27,818.00 is budgeted and available for the Sector 3 Beach Nourishment Project in the Coastal Engineering Fund/Sector 3 Post-Construction Monitoring, Account No. 12814472-033490-05054.

Account Name	Account No.	Amount
Sector 3 Post-Construction Monitoring	12814472-033490-05054	\$27,818.00

**RECOMMENDATION**

Staff recommends the BCC authorize Work Order No. 2018006-16 in the total lump sum amount of \$27,818.00. Additionally, staff recommends the BCC authorize the Chairman to execute Work Order No. 2018006-16.

**ATTACHMENTS**

- 1.0 APTIM Work Order No. 2018006-16
- 2.0 Work Order No. 2018006-16 Agreement Execution

**APPROVED AGENDA ITEM FOR: August 29, 2023**