

**INDIAN RIVER COUNTY, FLORIDA  
BOARD MEMORANDUM**

**CONSENT**

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**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:** **Sector 5 Beach and Dune Restoration Project (IRC1923) APTIM, Work Order No. 2018029-9, Year 1 Post-Construction Engineering Monitoring Report**

**DATE:** September 24, 2021

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**DESCRIPTION AND CONDITIONS**

On April 3, 2018, the Board approved a contract with APTIM Environmental & Infrastructure, LLC. (APTIM) for professional coastal engineering and biological support services related to the management and restoration of the Sector 5 (City of Vero Beach) beach project area. 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 and sustained damages from Hurricanes Matthew (2016) Irma (2017) and Dorian (2019). Construction of the large-scale beach and dune nourishment project was completed February 2020.

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 0363427-002-JN requirements.

The proposed Work Order No. 2018029-9, in the amount of \$28,068.00, 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 5 Project area will be addressed through future work orders.

**FUNDING**

Funding for Year 1 Post-Construction Engineering Monitoring Report in the amount of \$28,068.00 is budgeted and available for the Sector 5 Beach Nourishment Project in the Beach Restoration Fund/Sector 5 Post-Construction Monitoring, Account No. 12814472-033490-15021.

Account Name	Account No.	Amount
Sector 5 Post-Construction Monitoring	12814472-033490-15021	\$28,068.00

**RECOMMENDATION**

Staff recommends the BCC authorize Work Order No. 2018029-9 in the total lump sum amount of \$28,068.00. Additionally, staff recommends the BCC authorize the Chairman to execute Work Order No. 2018029-9.

**ATTACHMENTS**

Work Order No. 2018029-9 Agreement Execution  
APTIM Work Order No. 2018029-9

**APPROVED AGENDA ITEM FOR: October 5, 2021**