

**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:** Quintin Bergman, M.S., Sea Turtle Environmental Specialist

**SUBJECT:** Sector 3 Beach & Dune Nourishment Project  
APTIM Amendment No. 1 to Work Order 2018006-4 (IRC 1926)

**DATE:** April 2, 2020

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**DESCRIPTION AND CONDITIONS**

On January 9, 2018, the Indian River County 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 project area (RFQ#2018006).

The Sector 3 project area is a critically eroded 6.6-mile section of shoreline that extends from the Seaview Subdivision south to the Turtle Trail beach park. The Sector 3 project area sustained damage from Hurricane Matthew (2016), Irma (2017), and Dorian (2019) creating the need for repair.

On December 4, 2018 the BCC approved Work Order No. 2018006-4 in the amount of \$150,613.60, to provide professional services in support of pre-construction biological monitoring.

Florida Department of Environmental Protection (FDEP) permitting requires pre- and post-construction biological monitoring adjacent to the project area to monitor for potential secondary impacts to nearshore natural hardbottom. This is completed through the use of transects that divers monitor within the project area. The original Work Order 2018006-4 contains a task of establishing and monitoring thirty (30) permanent transects. The need for Amendment No. 1 to Work Order 2018006-4 has resulted from the FDEP Requests for Additional Information (RAI) and permitting process during which the Biological Monitoring Plan was revised to include the installation and monitoring of thirty-eight (38) permanent transects.

APTIM provided a cost proposal of \$26,840.30 to accomplish the additional eight (8) transects as detailed in proposed Amendment No. 1 to APTIM Work Order 2018006-4. County staff has reviewed the proposed cost for Amendment No. 1 in the amount of \$26,840.30 and found the cost to be in line with the current approved work order and existing professional services agreement.

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### **FUNDING**

Local funding of Beach Restoration includes a portion of Local Option Tourist Tax Revenue. Funding for the pre-construction monitoring in the amount of \$26,840.30 is budgeted and available for the Sector 3 Beach Restoration Project in the Beach Restoration Fund/Sector 3 Beach Renourishment/Hurricane Matthew, Account No. 12814472-066514-17001.

### **RECOMMENDATION**

Staff recommends the Board authorize additional funding for Amendment No. 1 to Work Order No. 2018006-4 in the amount of \$26,840.30, producing a new total work order lump sum price of \$177,453.9. Additionally, staff recommends the Board authorize the Chairman to execute Amendment No. 1 to Work Order No. 2018006-4.

### **ATTACHMENT**

Amendment No. 1 to WO #2018006-4

**APPROVED AGENDA ITEM FOR: April 7, 2020**