

**INDIAN RIVER COUNTY, FLORIDA  
BOARD MEMORANDUM**

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**TO:** Jason E. Brown, County Administrator

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

**FROM:** Eric Charest, Natural Resources Manager

**SUBJECT:** Phase 1 of the Sector 3 Beach and Dune Restoration Project (IRC1925)  
APTIM, Work Order No. 2018006-8, Construction Administration Services

**DATE:** November 18, 2020

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**BACKGROUND AND DESCRIPTION**

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. The Sector 3 project area sustained erosional damage from Hurricane Matthew (2016), Irma (2017), and Dorian (2019) creating the need for repair.

To avoid sea turtle nesting season, construction activities on the beach are required to take place between November 1<sup>st</sup> and April 30<sup>th</sup> of each year, as such, due to the size of the project and delayed start date, the Sector 3 Beach and Dune Restoration Project has been divided up into two (2) phases over two (2) construction years, 2020/2021 and 2021/2022. Phase 1 represents approximately 3.7 miles of the northern project area, from the Seaview subdivision in the north down to the Wabasso Beach Park in the south. Phase 1 will be undergoing construction in the 2020/2021 construction window, with sand placement anticipated to begin January 4, 2021 and end by April 30, 2021. Phase 2 represents the remainder of the Sector 3 project area (southern portion), or approximately 2.9 miles of beach stretching from Wabasso Beach Park in the north down to the southern end of project located just south of the Turtle Trail beach access. Construction on Phase 2 of the project is anticipated to begin in November 2021 and conclude by April 30, 2022.

The proposed Work Order No. 2018006-8, in the amount of \$385,639.17, provides professional services in support of construction administration and monitoring during construction of Phase 1 of the Sector 3 Beach and Dune Restoration Project.

**FUNDING**

Local funding of Beach Restoration includes a portion of Local Option Tourist Tax Revenue, FEMA project worksheets and a FDEP grant. Funding for construction administration services in the amount of \$385,639.17 is budgeted and available for the Sector 3 Beach Nourishment Project in the Beach Restoration Fund/Sector 3 Beach Renourishment/Hurricane Matthew, Hurricane Irma and Hurricane Dorian, Account No. 12814472-066514-17001.

### **RECOMMENDATION**

Staff recommends the BCC authorize Work Order No. 2018006-8 in the total lump sum amount of \$385,639.17. Additionally, staff recommends the BCC authorize the Chairman to execute Work Order No. 2018006-8.

### **ATTACHMENT**

APTIM Work Order No. 2018006-8

### **APPROVED AGENDA ITEM FOR: December 1, 2020**