

**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:** Kendra Cope, M.S.  
Coastal Resources Coordinator

**SUBJECT:** **Work Order No. 2018006–5, Aptim Environmental & Infrastructure, Inc.  
Sector 3 Beach and Dune Renourishment – Construction Easements**

**DATE:** February 19, 2019

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**DESCRIPTION AND CONDITIONS**

On January 9, 2018, the Board approved a contract with Aptim Environmental & Infrastructure, Inc. (Aptim) for professional coastal engineering and biological support services related to the management and renourishment of the Sector 3 (Wabasso Beach) beach project area.

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) and Hurricane Irma (2017) and is in need of a large-scale beach and dune nourishment project to maintain protection to upland properties and infrastructure. The County is required to obtain executed construction easements from each potentially affected property owner within the project limits. In 2010, property owners signed a temporary construction easement (TCE) allowing the County to place sand fill on private property as surveyed under the ECL during the Initial Sector 3 Beach and Dune Nourishment project and subsequent Dune restoration project in 2015. However, the language in this document is considered outdated and a new Construction Easement will need to be obtained to allow for sand fill on private property during the Sector 3 Beach Renourishment project.

The County has been issued two Project Worksheets (PW) by FEMA for Sector 3 beach renourishment. The Hurricane Matthew PW #605 and the Hurricane Irma PW #3021 are under FEMA/Environmental Planning & Historic Preservation Review (EHP). This FEMA funding will aid the County in recovering associated storm losses within the project area.

The proposed Work Order No. 2018006-5 includes one (1) task related to pre-construction permit requirements. Specifically, Work Order No. 2018006-5 addresses the consultant, APTIM, compiling, disseminating and obtaining signed Construction Easement Packages. All work will be completed at a fixed rate cost not to exceed \$21,741.00.

## **FUNDING**

Local funding of Beach Restoration includes a portion of Local Option Tourist Tax Revenue as well as allocation of the One Cent Sales Tax. Funding for the pre-construction monitoring in the amount of \$21,741.00 is budgeted and available for the Sector 3 Beach Restoration Project in the Beach Restoration Fund, Hurricane Matthew Account - Sector 3, No. 12814472-066514-17001.

With the issuance of FEMA Project Worksheets (No.00605 – Hurricane Matthew, No.3021 – Hurricane Irma), project related design, permitting, and construction expenses are eligible for up to 87.5% in Federal and State cost share. FEMA funds are currently in que to be obligated.

Additionally, the County entered into grant Agreement No. 17IR2 with Florida Department of Environmental Protection on February 26, 2018, amended by the State on June 22, 2018, which committed up to \$893,102.60 at a 50% cost share ratio for the Sector 3 project area damaged by Hurricane Matthew (2016) and Irma (2017).

## **RECOMMENDATION**

The recommendation of staff is for the Board to approve Work Order No. 2018006-5 to the contract with Aptim Environmental & Infrastructure, Inc. and authorize the Chairman to sign on behalf of the County.

## **ATTACHMENT**

Aptim Environmental & Infrastructure, Inc. Work Order No. 2018006-5

## **APPROVED AGENDA ITEM FOR: MARCH 5,2019**