

**INDIAN RIVER COUNTY, FLORIDA  
BOARD MEMORANDUM**

**CONSENT AGENDA**

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

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

**FROM:** James D. Gray, Jr.  
Natural Resources Manager

**SUBJECT:** **Work Order No. 2018006–2, Aptim Environmental & Infrastructure, Inc.  
Sector 3 Beach and Dune Renourishment – Design and Permitting**

**DATE:** March 21, 2018

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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 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 has received a fully signed Federal Emergency Management Agency (FEMA) Project Worksheet (No. IRGAG01 – Hurricane Matthew, FEMA 4283-DR-FL) and is currently developing a Project Worksheet with FEMA in order to replace Hurricane Irma associated storm losses within the project area.

The proposed Work Order No. 2018006-2 includes eight (8) separate tasks pertaining to the design and permitting of the Sector 3 Beach and Dune Renourishment Project.

Work Order No. 2018006-2 is for a lump sum amount of \$258,489.

Work orders related to preconstruction monitoring, bidding, and construction phase services will be addressed through subsequent work orders.

**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 is budgeted and available for the Sector 3 Beach Renourishment Project in the Beach Restoration Fund, Other Professional Services – Hurricane Matthew – Sector 3, Account No.12814472-066514-17001.

With the issuance of FEMA Project Worksheet (No. IRGAG01 – Hurricane Matthew, FEMA 4283-DR-FL), 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.

**RECOMMENDATION**

The recommendation of staff is for the Board to approve Work Order No. 2018006-2 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. 2018006-2

**APPROVED AGENDA ITEM FOR: APRIL 3, 2018**