

**INDIAN RIVER COUNTY, FLORIDA  
BOARD MEMORANDUM**

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

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

**FROM:** Kendra Cope, M.S.  
Environmental Specialist

**SUBJECT:** **Work Order No. 2018007–2, Coastal Technology Corporation  
Sector 7 Beach and Dune Re-nourishment – Pre-Construction Services**

**DATE:** January 11, 2019

**BACKGROUND**

On January 9, 2018, the Board approved a contract with Coastal Technology Corporation (Coastal Tech) for professional coastal engineering and biological support services related to the management and re-nourishment of the Sector 7 (Porpoise Point) beach project area.

The Sector 7 project area is a 2.2 mile section of shoreline that extends from Seagrove south to the Moorings in the southern portion of the County. The Sector 7 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 currently has two Project Worksheets (PW) issued by FEMA for Sector 7 beach re-nourishment. Both the Hurricane Matthew PW #616 and the Hurricane Irma PW #3018 are under FEMA/Environmental Planning & Historic Preservation Review (EHP). Once awarded, this FEMA funding will aid the County in recovering associated storm losses within the project area.

**DESCRIPTION AND CONDITIONS**

The proposed Work Order No. 2018007-2 provides two (2) tasks related to pre-construction services, one of which includes biological monitoring services to map nearshore hardbottom prior to the construction of the Sector 7 re-nourishment project. By Permit, Pre-Construction Biological monitoring is required prior to a large-scale beach restoration project.

Work Order No, 2018007-2 is for a lump sum amount of \$320,552. Services provided include:

- Compiling, disseminating and obtaining signed Construction Easement Packages
- Finalize project design and update Permit Sketches
- Mapping of edge of nearshore hardbottom

- Monitoring of required transects
- Assistance with bidding for construction

### **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 required pre-construction services in the amount of \$320,552 is budgeted and available for the Sector 7 Beach Restoration Project in the Beach Restoration Fund, Hurricane Matthew Account - Sector 7, No. 12814472-066512-17001.

Once obligated the FEMA PW from Hurricane Matthew (Matthew PW #616) project related design, permitting, and construction expenses are eligible for up to 87.5% in Federal and State cost share.

### **RECOMMENDATION**

The recommendation of staff is for the Board to approve Work Order No. 2018007-2 to the contract with Coastal Technology Corporation and authorize the Chairman to sign on behalf of the County.

### **ATTACHMENT**

Coastal Technology Corporation Work Order No. 2018007-2

### **APPROVED AGENDA ITEM FOR: JANUARY 22, 2019**