

**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. 3 Environmental Science Associates
Jungle Trail Shoreline Stabilization Project**

DATE: March 22, 2018

BACKGROUND

Jungle Trail Road is an unpaved roadway along the eastern shoreline of the Indian River Lagoon that is maintained by Indian River County. Recently, staff observed that portions of a roadway are within 5 feet of the Atlantic Intracoastal Waterway and is in need of stabilization to protect the roadway from additional erosion. The destabilization of the roadway is largely attributable to impacts from vessel wakes using the adjacent waterway. Similar erosion along the shoreline of Jungle Trail Road occurred in the early 2000s that necessitated the construction of a roadway stabilization project in 2006.

DESCRIPTION AND CONDITIONS

On October 10, 2017, the Board approved a contract with Environmental Science Associates (ESA) for professional continuing environmental and biological support services for engineering projects for a two year term, through October 10, 2019. ESA is the selected consultant for professional environmental engineering services related to the Jungle Trail Shoreline Stabilization Project.

The proposed Work Order No. 3 provides professional environmental engineering services to design and permit a stabilization project along approximately 500 linear feet of Jungle Trail Road. Specifically, the project area is located immediately south and adjacent to the 2006 stabilization project near the Sea Oaks Development and channel marker 89.

Work Order No. 3 includes five (5) separate tasks for a lump sum amount of \$53,228.

Staff is also requesting authorization for the purchase of 30 type K temporary median barriers (Jersey Barriers) in order to immediately stabilize, on a temporary basis, heavily eroded sections of the roadway while the large scale project can be fully designed and permitted. Temporary stabilization is authorized under FDEP Emergency Final Order – OGC No. 17-0989 (Hurricane Irma 2017). Based on previous quotes, Jersey Barriers are \$500 each. As such, staff is requesting up to \$15,000 for the purchase of 30 Jersey Barriers.

FUNDING

Funding, in the amount of \$53,228 for ESA Work Order No. 3 and \$15,000 for 30 Jersey Barriers, is budgeted and available from Secondary Roads/Road Stabilization/Jungle Trail Shoreline Account No. 10921441-053360-18022.

RECOMMENDATION

The recommendation of staff is for the Board to approve Work Order No. 3 to the contract with Environmental Science Associates and authorize the Chairman to sign on behalf of the County.

ATTACHMENT

Environmental Science Associates Work Order No. 3
Project Location Map

APPROVED AGENDA ITEM FOR: APRIL 3, 2018