

**INDIAN RIVER COUNTY, FLORIDA
MEMORANDUM**

CONSENT

TO: Jason E. Brown, County Administrator

THROUGH: Richard B. Szpyrka P.E., Public Works Director
James W. Ennis, P.E., PMP, Asst. Public Works Director

FROM: Kirstin Leiendecker P.E., Project Engineer

SUBJECT: Work Order No. 4, Environmental Science Associates
Jungle Trail Shoreline Stabilization Project
(IRC-1823)

DATE: July 31, 2019

DESCRIPTION AND CONDITIONS

Jungle Trail Road is an unpaved roadway along the eastern shoreline of the Indian River Lagoon that is maintained by Indian River County. Portions of the roadway are within five feet of the Atlantic Intracoastal Waterway and require permanent 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 to the north of Jungle Trail Road necessitated the construction of a roadway stabilization project in 2006.

On October 10, 2017, the Board approved a contract with Environmental Science Associates (ESA) for professional continuing environmental and biological support services. On April 3, 2018 the Board of County Commissioners approved Work Order No. 3 with ESA to provide professional environmental engineering services to design and permit a stabilization project along approximately 750 linear feet of Jungle Trail Road. The project area is located immediately south and adjacent to the 2006 stabilization project near the Sea Oaks Development.

The Jungle Trail Shoreline Stabilization project was awarded to XGD Systems, LLC by the Board of County Commissioners for construction in the amount of \$225,335.24.

The purpose of Work Order No. 4 with ESA is to provide construction services that will include permit compliance review, limited construction monitoring and support to ensure compliance with construction plans and specifications. ESA will be supporting County Staff identifying mangrove removal limits, planting limits and inspection and general construction oversight. Following the completion of the construction activities, ESA will assist with the final acceptance certifications to the regulatory agency.

Work Order No.4 includes three (3) separate tasks for a not-to-exceed amount of \$24,624.00.

FUNDING

Funding for a not to exceed amount of \$24,624.00 for ESA Work Order No.4 is available from Secondary Roads/Road Stabilization/Jungle Trail Shoreline/Account No. 10921441-053360-18022.

RECOMMENDATION

Staff recommends approval of Work Order No. 4 to Environmental Science Associates authorizing the professional services as outlined in the Scope of Services and requests the Board authorize the Chairman to execute Work Order No. 4 on their behalf in a not-to-exceed amount of \$24,624.00.

ATTACHMENT

Environmental Science Associates Work Order No. 4

APPROVED AGENDA ITEM FOR AUGUST 13, 2019