



Interoffice Memorandum

April 10, 2019

To: Mayor Jerry L. Demings
and the Board of County Commissioners

From: *CM* Carrie Mathes, Manager, Procurement Division

Contact: Michael Drozeck, Manager, Stormwater Management Division
407-836-7945

Subject: Approval of Contract Y19-812-EB, Design Services for the Orlo Vista Flood Mitigation Project

ACTION REQUESTED:

Approval of Contract Y19-812-EB, Design Services for the Orlo Vista Flood Mitigation Project, with Geosyntec Consultants, Inc. in the total contract award amount of \$1,089,594.66.

PROCUREMENT:

The design services will address the critical flooding problems that exist in the Orlo Vista/West Side Manor area. During hurricane Irma in 2017 this area suffered severe flooding. The scope of work for this project includes the design to excavate existing ponds down to elevation of 62 feet North American Vertical Datum at a 4:1 slope, decommission the existing pump station and force main, install a new pump station with force main to Shingle Creek (where the current system outfall is located), and lower/install piped connections between ponds to help convey water to the proposed pump station. This project is located in District 6.

FUNDING:

The total FEMA Hazard Mitigation Grant Program funding is \$1,226,355.00. The Florida Department of Emergency Management (FDEM) approved grant number 4337- 23-R for the design services in the amount of \$919,766.25 (75%). Orange County's contribution to the project is \$306,588.72 (25%). Funding for the FDEM portion is available in account number 7592-072-7088. Funding for the Orange County contribution is available in account number 1023-072-2753-6310.

APPROVALS:

The Stormwater Management Division concurs with this recommendation.

REMARKS:

The consultant's initial proposal of \$1,258,319.53 was reviewed and evaluated by staff, and a final negotiated price of \$1,089,594.66 was obtained. Geosyntec Consultants, Inc. is currently under contract with the County for Continuing Professional Engineering Stormwater Management Services, Contract #Y9-900B.

The professional services provided under this contract and previous continuing contracts over the past 12 years by Geosyntec Consultants, Inc. includes several projects in the Shingle Creek Watershed area that includes the Orlo Vista/West Side Manor sub-watershed. In 2014, Geosyntec Consultants, Inc. conducted the West Side Manor Watershed Master Plan to determine the condition of the pump station and level of flood protection. After hurricane Irma, they were tasked to prepare a Supplemental Report to develop additional conceptual designs to mitigate and remedy flood problems, conduct permit coordination, and cost projections for FEMA Hazard Mitigation Grant Program purposes. The consultant's experience, intimate knowledge of the area's history, current site characteristics, design and permitting constraints, and thorough understanding of the proposed flood mitigation project, makes them uniquely qualified to deliver the final design and construction documents within the very short time needed to progress to bidding and construction to qualify for 75% reimbursement (approx. \$8.3M) from the Hazard Mitigation Grant Program.

The Florida Department of Emergency Management provided written approval to contract these services on a sole source basis with Geosyntec Consultants, Inc.