



THE CITY OF KEY WEST

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EXECUTIVE SUMMARY

Date: June 21th, 2016
To: Jim Scholl, City Manager
From: John Paul Castro, Director of Utilities
Cc: Greg Veliz, Assistant City Manager

Subject: Approve Phase I of Task Order No. 3 from Black and Veatch for Design Services for a Stormwater Pump Station at Dennis St. in the Amount of \$114,034.00

Action Statement

This Resolution would approve task order no. 3 from Black and Veatch in the amount of \$114,034 pursuant to resolution number 15-208 for the preliminary design and surveying of a stormwater pump station to be located on Dennis St. and Venetia St.

Background

The City tasked CH2M to create a stormwater master plan in 2012 which was adopted by the City Commission. That plan outlines projects that will alleviate flooding from low laying areas. The basins were categorized by elevation and their probability of flooding during certain rain events.

The area of Dennis St. between Venetia St. and Blanche St. near the Key West High School has historically flooded. The area collects water that makes the streets impassable and floods into neighboring homes. Numerous structures within the area are on FEMA's repetitive loss list for flood insurance claims.

Purpose and Justification

Phase I of the project will identify the proper pump station sizing and infrastructure necessary due to available hydrogeological data, topography, property and utility maps.

From that data collected a site plan will be developed for the station requirements including pump sizes, generator location, pipe layout and inlets locations.

MEMORANDUM

Following the initial site plan development, the project will undergo surveying for the project area. The survey will include site topography, utilities, streets, properties, structures, etc. From the survey the 100-year flood elevation within the project limit will be identified.

After surveying the consultant will provide geotechnical services for the pump station location.

The aforementioned data and site plan will conclude phase I of the project.

Phase II of the design portion of the project has a cost of \$198,360. Phase II scope of work includes complete construction drawings for bidding and assistance for permitting the project with Florida Department of Environmental Protection and South Florida Water Management District. The design has been broken into phases for funding purposes.

The current project estimate is \$2,721,813.00 based on the George Street pump station schedule of values from 2011 which totaled \$3,242,000.00 (attached).

Financial

Funding will come from account 402-3802-538-6500 which includes a project for Dennis St. Pump Station. Staff has reviewed the hourly cost breakdown and believes the rate mixture are properly balanced and match the hourly rates set forth within the contract documents.

Recommendation

Approve task order no. 3 from Black and Veatch for Phase I design of the Dennis St. stormwater pump station.