



THE CITY OF KEY WEST

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EXECUTIVE SUMMARY

Date: October 16, 2018
To: Jim Scholl, City Manager
From: John Paul Castro, Director of Utilities
Cc: Greg Veliz, Assistant City Manager

Subject:

Approve Task Order 1-19 SWR from CH2M Hill Engineers, Inc. for the feasibility investigation for the Directional Bore Influent Pipeline under Fleming Channel to the Richard A. Heyman Environmental Protection Facility.

Action Statement

This Resolution would approve task order 1-19 SWR from CH2M Hill Engineers, Inc. in the amount of \$199,780.79 pursuant to resolution number 17-207 for feasibility investigation of a trenchless installation of City wastewater utilities across Fleming Channel.

Background

The City of Key West owns and operates the Richard A. Heyman Environmental Protection Facility (WWTP). Currently, wastewater lines supplying the WWTP are installed on a utility bridge spanning approximately 460 feet across the channel from Trumbo Point to Fleming Key. These welded steel pipelines with traditional flange and bolt connections were originally completed in May 1996, and now approaching 22 years in service will require significant rehabilitation and/or replacement to address corrosion issues.

Purpose and Justification

The Utilities Department is requesting that the consultant provide feasibility investigation and preliminary engineering design services for Trenchless Installation of wastewater pipelines across Fleming Channel as a hardening project for the influent pipe to the WWTP.

Key to the Caribbean – average yearly temperature 77 ° Fahrenheit.

MEMORANDUM

The bridge pilings have been impacted by navigating vessels at least 2 times in the past 5 years. During hurricane Irma a large vessel was swept from its mooring ball and also impacted the bridge pilings in 2 sections. This project was put into the CIP plan in 2017 budget and rate model planning.

After Hurricane Irma the City applied for mitigation funding through the County Local Mitigation Strategy post natural disaster funding allocation, HMGP. The influent pipe resiliency project was ranked 9th out of all County projects do its importance for public health and safety and potential environmental impacts. The project is ranked within the first tier of funding allocation to Monroe County.

While the City has planned funding for the project in full, the HMGP funding would cover 75% of costs up to the \$2,300,000 project estimate submitted.

The task order is issued pursuant to the approved rates within the CH2M Hill Engineers, Inc. general engineering services agreement which is a 3 year contract awarded by resolution 17-207.

Financial

Funding will come from Utilities/Sewer/CIP account 401-3504-535-6500, project SE35031802. Staff has reviewed the hourly cost breakdown a believes the rate mixture are properly balanced and match the hourly rates set forth within the task order compensation chart. \$2,300,000.00 was budgeted for the task over FY18 and FY19.

This project ranked within tier one funding for the HMGP grant post Hurricane Irma. \$1,747,500.00 is the maximum 75% match when funds become available.

Recommendation

Approve task order no. 1-19 SWR from CH2M Engineers, Inc. for the Feasibility Investigation and Preliminary Design for the Directional Bore Influent Pipeline under Fleming Channel project in the amount of \$199,780.79.