



THE CITY OF KEY WEST

Post Office Box 1409 Key West, FL 33041-1409 (305) 809-3700

EXECUTIVE SUMMARY

To: Patti McLauchlin, City Manager

Cc: Todd Stoughton, Assistant City Manager
Christina Bernaldi, Finance Director
Kelly Crowe, P.E., Utilities Director

From: Steve Gardner, Project Manager

Date: August 22, 2022

Subject: **Awarding Task Order 3-22 SWR Engineering, Permitting and Bid Phase Services for the rehabilitation of Sanitary Sewer Pump Station "G"**

Action Statement:

Authorize City Manager to execute Task Order 3-22 SWR in the amount of \$160,382.37 with CH2M Hill for the design, permitting and bid phases services related to the rehabilitation of Sanitary Sewer Pump Station "G" and approve any necessary budget transfers.

Background:

In 2015 CH2M Hill Engineers created a pump station condition assessment for the City's 25 wastewater stations. This assessment was then prioritized, and projects were budgeted. Pump station "G" is prioritized as the most needed station for restoration and improvements. Pump station "G" is located within District "G" as shown on the attached map. Pump Station "G", in particular, is located near the intersection of Flagler Avenue and 18th Street.

The scope of work for the pump station upgrades is to add, replace and repair deteriorating equipment so that the pump stations continue to operate in sound conditions. The rehabilitation of Pump Station "G" consists of the following upgrades:

- Replace valves, pumps, piping, supports and guide rails, stoplogs and hatches, in the wet well
- Rehabilitate the wet well liner and electrical conduits in the wet well
- Replace the site lighting

Key to the Caribbean – Average yearly temperature 77° F.

MEMORANDUM

- Repair concrete in wet well
- Provide stainless steel pump floor plates
- Replace the force main as it leaves the wet wells and provide a new meter vault with mag meter
- Replace the main control panel, main disconnect, main power feed, and temporary generator connection
- Replace the site fencing (if needed)
- Replace the RTU (Remote Terminal Unit) with a TCU (Telemetry Control Unit)
- Perform constructability assessment for proposed improvements
- Develop a feasibility assessment for the temporary bypass to the station during construction
- Safety assessment
- Odor control assessment
- Generator Evaluation
- Review approaches for providing hardening protection against hurricane wind, debris impact and flood protection

Purpose and Justification:

The improvements to Pump Station “G” are recommended in the 2015 pump station condition assessment. In addition, staff requested a task order from CH2M Hill and negotiated the task order to be within the allocated budget. The price is fair and reasonable.

CH2M Hill will perform the design task under their General Engineering Services agreement authorized per Resolution 17-207, extended for two years per Resolution 20-142 and extended to December 31, 2022, per Resolution 22-171.

Financial Impact:

The funds for this proposed project are budgeted in account 4013503-5356500 Construction in Progress, Pump Station Rehab 4 in the amount of \$200,000. The task order amount of \$160,382.37 is within the budgeted amount. Upon approval, a purchase order will be issued to CH2M Hill.

Recommendation:

Staff recommends authorizing the City Manager to execute a task order for design, permitting, and bid phase services for the rehabilitation of Pump Station “G” to CH2M Hill in the amount of \$160,382.37 and approve any necessary budget transfers.