



MEMORANDUM

Date: June 4, 2025

To: Honorable Mayor and Commissioners

Via: Brian L. Barroso
City Manager

From: Matt Willman
Utilities Director

Subject: **Approve the Procurement of Professional Engineering Services from Jacobs Engineering Group, Inc., in the amount of \$209,546.00, for the Design, Permitting, and Bid Phase Support for Replacement of the Effluent Pumps and Manifold at the Wastewater Treatment Facility; Pursuant to City of Key West Code of Ordinances Section 2-841, Contracts for Professional Services; Authorize a Budget Transfer Within the Sewer Fund; and Authorize the City Manager to Execute Necessary Documents Upon Consent of the City Attorney. (File ID 25-3829)**

Introduction

Staff recommends the Mayor and City Commission approve procurement of professional engineering services, pursuant to Section 2-841 of the City of Key West Code of Ordinances, for design, permitting, bid phase, and support during construction to replace two effluent pumps and manifold at the Richard A. Heyman Environmental Protection Facility. The total cost for the task order proposal is \$209,546.00. Budget transfer from Sewer Fund reserves, in the amount of \$9,546.00 will be necessary.

Background

The City of Key West operates and maintains the Richard A. Heyman Environmental Protection Facility. The facility is equipped with three effluent pumps. When the facility was constructed in 1989, two pumps were installed. Each originally installed pump individually handles the design peak hourly flow, but both pumps are necessary to meet the redundancy requirement of Rule 62-600.300(2)(b). F.A.C.

Florida Department of Environmental Protection requires the city to maintain uninterrupted operation of the wastewater treatment facility. Two functioning and reliable effluent pumps are a requirement of the city's State of Florida Domestic Wastewater Facility Permit, FLA147222. Replacement of the two original effluent pumps is necessary to meet the requirements of the facility operation permit and Rule 62-600.300(2)(b). F.A.C.

A third effluent pump was installed on November 3, 2021. The third pump is the lead pump, designed to operate during evening hours, when wastewater flows to the facility are low. During peak flow times, an originally installed pump will be put into operation. The two originally installed pumps have been in daily service for more than 35 years and must be replaced. The typical life expectancy of a high-horsepower pump is 40 years.

This task order will produce plans and specifications to bid for replacement of the effluent pump system project. Staff recommend moving forward with this task order to develop bidding plans and publish an invitation to bid for replacement of both effluent pumps.

Procurement

Procurement of professional engineering services for design, permitting, bid phase, and support during construction will be pursuant to the City of Key West Code of Ordinances, Section 2-841, contracts for professional services awarded in accordance with the procedures set forth in Consultants Competitive Negotiations Act, F.S. § 287.055.

Funds have been budgeted in treatment plant operation sewer fund account number 401-3504-535-6500, Project Number SE35042501. The proposal Task A includes professional engineering services for development of bid documents and permitting. Task A is a lump sum cost proposal in the amount of \$137,922.00. Task B consists of bid services and engineering support during construction. Task B will be invoiced on a reimbursable cost basis up to \$61,816.00. The proposal includes allowances in the amounts of \$750.00 and \$9,058.00 for permit fees and travel expenses, respectively.

A budget transfer in the amount of \$9,546.00 from Sewer Fund Reserve account 401-3501-535-9900/Other Uses to Sewer Fund account number 401-3504-535-6500/Construction in Progress will be necessary for the engineering support during construction.

Recommendation

The City Manager's Office recommends the Mayor and City Commission approve the task order proposal, in the amount of \$209,546.00 from Jacobs Engineering Group, Inc.; authorize a budget transfer in the amount of \$9,546.00 within the sewer fund; and authorize the City Manager to execute necessary documents upon consent of the City Attorney.