



MEMORANDUM

Date: August 6, 2025

To: Honorable Mayor and Commissioners

Via: Brian L. Barroso
City Manager

From: Matt Willman
Utilities Director

Subject: **File ID 25-3943: Approval of Task Order 09-24 proposal from Jacobs Engineering Group, Inc. for engineering services for the rehabilitation of Sanitary Pump Station “J”**

Introduction

Authorize the City Manager to execute task order 09-24 proposal from Jacobs Engineering Group, Inc. in the amount of \$321,300.00 for design, permitting, bid and construction phase services for the rehabilitation of the City’s sanitary pump station “J” located within Las Salinas Apartment complex, and authorize any necessary budget transfers.

Background

The City of Key West (CKW) owns and operates twenty-five wastewater pump stations responsible for conveying wastewater flows to the Richard A. Heyman Environmental Protection Facility. In 2015 CH2M Hill Engineers, now Jacobs Engineering Group, Inc., created a pump station condition assessment for the City’s 25 wastewater stations, which was updated just last year. Since 2015 the City has budgeted and completed much of the needed work prioritized in the assessment. Pump station “J” is the next station that is in most need of restoration and improvements. Pump station “J” is located on the eastern portion of the island near the Double Tree Resort and Las Salinas Apartments. This service district encompasses multiple resorts and condominiums off South Roosevelt Boulevard and serves approximately 580 permanent residents and a transient population of 180. Pump station “J” services 6.7 acres of residential and commercial use land.

Since the 2015 inspection and assessment, pump station “J” has undergone further deterioration.

City and Jacobs maintenance staff and engineer did their own site assessment and compiled a list of current needs and upgrades shown below. The scope of work for the pump station upgrades is to add, replace and repair deteriorating equipment so that the pump station continues to operate in improved and sound condition. The rehabilitation of Pump Station “J” consists of the following upgrades:

1. Wet Well
 - a. Replacement of existing pumps with soft starts, rails, base plates and supports.
 - b. Replace existing concrete top slab and access hatch. Convert to double hatch for safety and increase size of hatch opening.
 - c. Clean, inspect and perform concrete repairs as needed on walls and floor.
 - d. Replacement of all wet well piping with HDPE including pipe penetrations.
 - e. Installation of a vent for the wet well.
 - f. Install liner on walls and floor after modifications.
2. Valves Vault
 - a. Replace existing concrete top slab and access hatch.
 - b. Rehabilitate existing valve vault drain.
 - c. Relocate existing bypass pumping connection for construction activities and future use.
 - d. Replace pipe with HDPE including pipe penetrations.
 - e. Replace all valves and fittings.
 - f. Install liner on the walls and floor after the new pipe installation.
3. Flow Meter Vault
 - a. Construction of a new Flow Meter Vault.
 - b. Installation of new Flow Meter including power and communication.
4. Pipe
 - a. Replacement of existing piping with HDPE within pump station area. Include all necessary bracing within vaults and restraints as needed.
5. Electrical and I&C
 - a. Assessment/Inspection of existing generator.
 - b. Replacement of ATS and controller.
 - c. Replacement of generator’s enclosure and fuel tank.
 - d. Replace and relocate control panel above flood elevation.
 - e. Replacement of RTU.
 - f. Universal or direct connection for portable generator.
 - g. Replace and relocate the Main Disconnect outside the control panel.
 - h. Relocate Main Electrical Feed outside the control panel.
 - i. Replace ultrasonic level indicator with bubbler system.
6. Odor Control Unit
 - a. Installation of a new Odor Control Unit including associated piping.
7. Fresh water backflow preventer
 - a. Replace water service backflow preventer and piping above ground.

8. Site lighting
 - a. Provide new LED site lighting with manual switch.
9. Fence restoration
 - a. Installation of new security fence as per HOA/Condo Association requirements.
10. Investigate if floodproofing is necessary for new equipment based on Pump Station ground elevation.
11. Installation of a Temporary Bypass Pumping System to redirect the flow during the rehabilitation work. Identify possible location of the temporary bypass installation.

Procurement

The amount proposed by Jacobs Engineering for this task is \$321,300.00. There is not currently a budget allocated for the Pump Station J Rehabilitation project, however, there is \$471,750 allocated in account number 401-3503-535-6500, project number SE35032304 for upgrades at Pump Station A which we would like to utilize for the Pump Station J project.

Jacobs will be performing the work outlined in the task order under the General Engineering Services contract authorized per Resolution 23-029 and executed on March 28, 2023.

Recommendation

The City Manager's Office recommends the Mayor and City Commission approve Task Order 09-24 proposal from Jacobs Engineering Group, Inc. for engineering services to rehabilitate pump station "J" and authorize any necessary budget transfers.

Exhibits:

Exhibit A – Task Order 09-24

Exhibit B – Resolution 23-029

Exhibit C – Jacobs Engineering Group contract

Exhibit D – Lift Station Plan