



# Agenda Item Request Form

---

**ITEM:** Consideration to approve the attached proposed task order from Mott MacDonald in the amount of \$214,000 for improvements to City of Panama City Pump Station 44 (SRF funding).

**BACKGROUND INFORMATION:** Pump Station 44 is located at the corner of Government and 4<sup>th</sup> Streets. Improvements to Pump Station 44 are essential for the current and future expansion of the Downtown Waterfront District including the impending opening of the Indigo Hotel and its amenities, including food services.

The proposed scope of work consists of the following:

- Data collection to evaluate prospective design approach.
- Design to include additional site layout, pipe configuration, odor control, permanent bypass pump system, electrical, and SCADA systems.
- Preparation and submittal of FDEP sewer permitting applications.
- Construction Plans and Specifications for competitive bidding.
- Cost analysis for construction phase of the project.

**DEPARTMENT HEAD RECOMMENDATION:** Approval

**Budget Impact** **\$214,000.00**

---

Budgeted? Yes:  No:  How Much budgeted?

If more, where do you suggest funds come from?

**Cost Center Affected:**

**Personnel** \$

**Operating** \$

**Capital** \$

**Revenue** \$

**Requested By:** Jared Jones, Assistant City Manager/Interim Public Works Director

**Date:** 3/1/2022

TASK ORDER No: \_\_\_\_\_

**Improvements to City of Panama City Pump Station 44**

**DATED: 02/25/2022**

**Section I. BACKGROUND**

This Work Order is issued between **CITY OF PANAMA CITY** and **MOTT MacDONALD FLORIDA, LLC.**, pursuant to the SRF General Engineering Contract between the parties dated October 12, 2021, and subject to all the terms and conditions thereof.

**Section II. SCOPE OF SERVICES**

The ENGINEER is hereby requested to perform the following services (the "Work"):

**DATA COLLECTON**

Mott MacDonald will collect data on the pumping station to include existing site dimensions, site piping configurations, gravity service area, existing pumping rates, pump run times and any other data the City has available to evaluate the design approach for improvements.

**PUMPING STATION REHABILITATION DESIGN**

**Basis of Design**

The Pumping Station will be designed for up to 2100 GPM, maximum pumping rate which will be finalized in a technical memorandum. The completed pumping station will be utilizing the existing 14" force main, that is largely comprised of cast iron pipe. Condition of this piping is unknown; therefore, Mott MacDonald does not recommend any flow above 2100 GPM design and recommends a condition evaluation of the force main under separate task order.

**Modeling**

Mott MacDonald will model specific piping configurations for the pumping station improvements using the Panama City Sewer Analysis Model (PCSAM) to determine impacts to other components in the City's sewer system. The evaluation will be performed for pumping to PS41 (current discharge) and for pumping to the St. Andrews WWTF Headworks (future condition discharge).

**Site Layout / Piping Configuration/Structural**

The pumping station structure at PS44 will be modified to eliminate confined space by removing the current valve vault and replacing with above-grade piping and valves. Additionally, Mott MacDonald will examine the Marina Development Plans (to be provided by the City) for design of grading and landscaping to match and/or compliment the adjacent site.

**Odor Control**

Odor control will be included at the rehabilitated pumping station site. Mott MacDonald will discuss preferences of types and associated costs with the City during the design phase.

**Bypass Pumping Design**

Mott MacDonald will design a new bypass pump system as a permanent installation at PS44. This will include hydraulic analysis and pump selection for the new PS44 system.

**Electrical and SCADA Design**

The Electrical components for the pumping station will be designed in accordance with the National Electric Code (NEC), "Recommended Standards for Wastewater Facilities (10-State Standard), Florida Department of Environmental Protection (FDEP) Standards, and the City of Panama City Standards.

**Permitting**

Mott MacDonald will prepare and submit all FDEP sewer permitting, however, permit application fees will be provided by the City at time of application submittal.

**Construction Engineering and Inspection Services \***

Mott MacDonald will provide Construction Engineering and Inspection (CEI) services for the construction stage of the project. Mott MacDonald will provide a task order for these services at a later date.

**Section III. SUB-CONSULTANTS**

Alan D. Holt – Landscape Architect.

**Section IV. DELIVERABLES**

The project deliverables are as follows:  
Construction Plans and Specifications for competitive bidding  
Opinion of Cost  
Permits

**Section V. CITY'S RESPONSIBILITY**

Topographic and Boundary Surveys to be supplied by the City.

The City will be responsible for submitting the Mott MacDonald provided project advertisement and paying all associated fees. The City will also provide the location for the pre-bid meeting and bid opening, as well as collecting the bids prior to opening.

**Section VI. SCHEDULE**

It is anticipated that the project design will be completed within 180 days of receiving notice to proceed.

**MEETINGS**

30% Design meeting  
90% Design meeting  
Bid Opening  
Pre-Construction meeting

**Section VII. METHOD OF COMPENSATION**

The ENGINEER shall be compensated as follows:

Fixed Price. ENGINEER's compensation shall be a fixed price (lump sum) of \$214,000.00

The ENGINEER shall not make payment in excess of the fixed price or "not-to-exceed" amount unless covered by an express written amendment to this Work Order.

*\*Note: Construction Engineering & Inspection Services TBD after bid opening*

**[Authorized Signatures on Following Page]**

**AUTHORIZATION**

The undersigned Authorized Representative represents that funds have been duly appropriated and committed for this Work Order and that the Work has been duly authorized by the CLIENT. A copy of the CLIENT's authorizing Resolution is annexed hereto.

ACCEPTED:

MOTT MacDONALD FLORIDA, LLC

CITY OF PANAMA CITY

By 

By \_\_\_\_\_  
Authorized Representative

Billy R. Perry – Senior Vice President

\_\_\_\_\_  
Printed Name and Title

Dated: 02/25/2022

Dated: \_\_\_\_\_