
DRAFT
City of Cocoa
Task Order 2024-35

FY 2024 Engineering Services for the Water System
Program Management Services - Water Supply and Water
Treatment Support

Objective

The purpose of this task order is to provide program management services, including program management/administration, design management and construction project support services for Operating Revenue (OR) funded Cocoa Utilities Capital Improvement Plan (CIP) program projects related to water supply and water treatment. This task order is intended to include the estimated level of effort to provide the services described above on a time and materials basis compensation method for the period from October 1, 2023 through September 30, 2024. Services proposed by JACOBS Engineering Group (JACOBS) in this Task Order will be performed in accordance with the Agreement for Continuing Engineering Services for Water System awarded by the City of Cocoa on February 5, 2020 and first Amendment on December 22, 2022.

Scope of Services

Task 1 – Project Management, Engineering and Operations Support

JACOBS will provide project management, engineering and operations support to Dyal Treatment Plant staff for both capital and renewal and replacement (R&R) projects related to the water supply and water treatment systems. JACOBS will prepare for and attend an initial FY2024 work planning meeting with plant management staff and then develop a work plan based on the outcome of the meeting. JACOBS will provide support services for tasks outlined in the work plan. JACOBS will also provide support to aid in resolving operations and water quality issues at the plant and distribution system as well as implementation of any efficiency approaches including those identified in the 2018 Capital Plan. JACOBS will also provide construction support services as necessary including submittal review, inspection, and coordination. JACOBS will coordinate and perform the Task 1 support work as determined and authorized by the City of Cocoa within the compensation limits of this task order. JACOBS will keep the City apprised of any concerns on budget once the work plan is complete.

Task 2 – SCADA, Process Control Systems and Instrumentation Support

JACOBS will provide project management, engineering and operations support of the Dyal Treatment Plant Supervisory Control and Data Acquisition (SCADA) system, process control systems, network and server systems, and instrumentation. The SCADA system is the main control system for the water treatment plant, wellfield, and distribution pump stations. JACOBS will prepare for and attend an initial FY2024 work planning meeting with plant management staff and then develop a work plan based on the outcome of the meeting. JACOBS will provide support services for tasks outlined in the work plan. JACOBS will coordinate and perform the Task 2 support work as determined and authorized by the City of Cocoa within the compensation limits of this task order. JACOBS will keep City apprised of any concerns on budget once the work plan is complete.

Task 3 – CMMS Support

JACOBS will provide project management, engineering, and technical support for the Dyal Water Treatment Plant Computerized Maintenance Management System (CMMS). The CMMS is a central repository for water treatment assets and is used to develop work orders and track maintenance history. JACOBS will prepare for and attend an initial FY2024 work planning meeting with plant management staff and then develop a work plan based on the outcome of the meeting. JACOBS will provide support services for tasks outlined in the work plan. JACOBS will coordinate and perform the Task 3 support work as determined and authorized by the City of Cocoa within the compensation limits of this task order. JACOBS will keep City apprised of any concerns on budget once the work plan is complete.

Assumptions

- The presence or duties of JACOBS' personnel at a construction site, whether as onsite representatives or otherwise, do not make JACOBS or JACOBS' personnel in any way responsible for those duties that belong to City and/or the construction contractor or other entities, and do not relieve the construction contractor or any other entity of their obligations, duties, and responsibilities, including, but not limited to, all construction methods, means, techniques, sequences, and procedures necessary for coordinating and completing all portions of the construction work in accordance with the construction Contract Documents and any health or safety precautions required by such construction work.
- JACOBS and JACOBS' personnel have no authority to exercise any control over any construction contractor or other entity or their employees in connection with their work or any health or safety precautions and have no duty for inspecting, noting, observing, correcting, or reporting on health or safety deficiencies of the construction contractor(s) or other entity or any other persons at the site except JACOBS' own personnel.

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- The presence of JACOBS' personnel at a construction site is for the purpose of providing to City a greater degree of confidence that the completed construction work will conform generally to the construction documents and that the integrity of the design concept as reflected in the construction documents has been implemented and preserved by the construction contractor(s). JACOBS neither guarantees the performance of the construction contractor(s) nor assumes responsibility for construction contractor's failure to perform work in accordance with the construction documents.
 - JACOBS will reasonably rely upon the accuracy, and completeness of the information/data provided by the City or other third parties.
 - Deliverables will be provided in electronic format with no hard copies. Hard copy deliverables can be provided at additional cost.
 - Work under Task 2 and Task 3 may be performed via a remote connection or partially performed in a JACOBS office with final installation onsite as determined by the city.
 - All deliverables will be submitted as draft for City of Cocoa review and comments. City of Cocoa will provide written review comments for draft deliverables within two calendar weeks, or deliverable will be considered acceptable as submitted. Comments received will be addressed and a final document issued.
 - JACOBS consultation, review, configuration, or study (as applicable) of Client's software, hardware, products or systems (collectively "Client's System") in no way makes JACOBS responsible for the performance, operation or security of Client's System. JACOBS makes no warranty, whether expressed or implied, as to the viability or performance of Client's System. Additionally, JACOBS cannot and does not provide any representation, warranty or guarantee that its services will ensure the Client's System will not be vulnerable, susceptible or open to outside infiltration, exploitation, hacking or breach from third parties, outside entities or sources. Client is solely responsible for the security of Client's System and JACOBS' services do not in any way relieve the Client of any responsibility for the protection, firewalling and/or overall security of the Client's System. JACOBS shall have no responsibility or liability for the security of Client's System and Client shall indemnify and hold JACOBS harmless for any claims, liability, actions, damages, expenses, and/or costs of any kind associated with any actual or alleged infiltration, data loss, data corruption, exploitation, hacking or breach of Client's System at any time regardless of the source or cause thereof.

Schedule

This Task Order covers the period from date of October 1, 2023 through September 30, 2024.

Compensation

Compensation for the services authorized under this task order will be provided using the time and materials basis method with budgets between the tasks and expenses being interchangeable as needed. Costs are summarized below by task.

<u>Task</u>	<u>Hours</u>	<u>Fee</u>
TASK 1 - Project Management, Engineering and Operations Support	1,004	\$169,404
TASK 2 - SCADA, Process Control Systems and Instrumentation Support	1,000	\$200,232
TASK 3 - CMMS Support	440	\$59,040
EXPENSES & SUBCONSULTANTS	N/A	\$6,000
Grand Total		\$434,676

Levels of effort for tasks are estimates based on the best information available at the time of task order development. As projects scopes are better defined, actual levels of effort required and associated fees might differ and require coordination between JACOBS and the City.

Attachments

Attachment A -Per Diem Rates Schedule

Acceptance

This Task Order shall become part of the Agreement upon execution by both parties.

Approved for City of Cocoa

By 

Title _____

Date _____

Accepted for JACOBS Engineering Group

By 

Francois Didier Menard

Title Vice President

Date August 07, 2023

City of Cocoa
FY2024 Engineering Services for the Water System
Water Supply and Water Treatment Support
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Labor Hour Breakdown

TASK #	TASK NAME	Per Diem Schedule Description								Labor Hours	Labor Fee		
		Principal/Senior Reviewer/Consultant/Senior Project Manager	Senior Professional Engineer/Scientist/Consultant	Mid-Level Professional Engineer/Scientist/Consultant/Project Manager	Professional Engineer/Scientist/Consultant/Project Manager	Junior Professional Engineer/Scientist/Consultant	Project Engineer/Scientist/Consultant	Junior Project Engineer/Scientist/Consultant	Engineering Intern			Office/Project Administration	
1	PROJ MGT, ENG, AND OPERATIONS SUPPORT	\$235.00	\$218.00	\$199.00	\$169.00	\$142.00	\$120.00	\$110.00	\$95.00	\$85.00			
		276		20	324	24	280	80			1,004	\$169,404	
											Task Subtotals	1,004	\$169,404
2	SCADA, PROCESS CONTROL SYSTEMS AND INSTRUMENTATION SUPPORT												
		144	80	680		96					1,000	\$200,232	
											Task Subtotals	1,000	\$200,232
3	CMMS SUPPORT												
				20	20	240		160			440	\$59,040	
											Task Subtotals	440	\$59,040

Labor Total	2,444	\$428,676
Expenses		\$6,000
Subcontracts		\$0
Task Order Total		\$434,676

EXHIBIT "A"**Jacobs Engineering Group Rate Schedule**

Classification	Description	Rate
Engineer 9	Principal	\$235
Engineer 8	Senior Reviewer/Consultant	\$235
Engineer 7	Senior Project Manager	\$235
Engineer 6	Senior Professional Engineer/Scientist/Consultant	\$218
Engineer 5	Mid-Level Professional Engineer/Scientist/Consultant/Project Manager	\$199
Engineer 4	Professional Engineer/Scientist/Consultant/Project Manager	\$169
Engineer 3	Junior Professional Engineer/Scientist/Consultant	\$142
Engineer 2	Project Engineer/Scientist/Consultant	\$120
Engineer 1	Junior Project Engineer/Scientist/Consultant	\$110
Engineer 0	Engineering Intern	\$95
Technician 5	Senior Construction Manager/Senior Designer	\$169
Technician 4	Construction Manager/Senior Technician	\$142
Technician 3	Senior Construction Inspector	\$120
Technician 2	Construction Inspector/Technician	\$110
Technician 1	Junior Construction Inspector/Junior Technician	\$85
Technician Aide	Technical Aide	\$80
Office	Office/Project Administration	\$85

Notes:

1. Billing rates for the City of Cocoa are designated for the length of this Agreement from February 2020 through January 2023.
2. These rates do not include other direct expense cost. Reimbursable other direct expenses shall be billed in accordance with the terms of the contract.
3. Billing rate schedule is for time basis work order and the City will be billed based on actual hours by category designated for an individual employee.
4. Jacobs reserves the right to request rate modifications for any future extensions to this agreement. Rate modifications must be established and agreed upon by both parties.
5. All copies, reproduction, subconsultant work, materials or equipment purchased or other direct costs shall be pass-thru cost without any mark-up.
6. Travel is reimbursable at the IRS rate for employees and specialists outside the Orlando office only.