Legislation Text

File #: 2020-396, **Version:** 1

Contract No. 2002655
Study and Design Services for Northwest Interceptor Relief Sewer to Oakwood CSO Facility
CIP# 222001 / BCE Score: 53.6

Agenda of: November 25, 2020
Item No.: **2020-396**
Amount: $5,599,456.00

TO: The Honorable
Board of Directors
Great Lakes Water Authority

FROM: Sue F. McCormick
Chief Executive Officer
Great Lakes Water Authority

DATE: November 4, 2020

RE: **Contract No. 2002655**
Study and Design Services for Northwest Interceptor Relief Sewer to Oakwood CSO Facility
Vendor: FK Engineering Associates

MOTION

Upon recommendation of Cheryl Porter, Chief Operating Officer - Water and Field Services, the Board of Directors (Board) of the Great Lakes Water Authority (GLWA), authorizes the Chief Executive Officer (CEO) to **enter into Contract No. 2002655 "Study and Design Services for Northwest Interceptor Relief Sewer to Oakwood CSO Facility" with FK Engineering Associates, at a cost not to exceed $5,599,456.00 for a duration of 1,886 days;** and authorizes the CEO to take such other action as may be necessary to accomplish the intent of this vote.

BACKGROUND

The purpose of the Wastewater Master Plan (WWMP) was to maximize the use of existing facilities to treat the wet weather flows. The Oakwood Pump Station and CSO basin is underutilized and there is a potential to send excess flows from the Northwest Interceptor (NWI) to the Oakwood basin. Some surcharging is caused by overloading the NWI. Flow rates through the Warren-Pierson gates exceed

the contract capacity for large storm events. These flow rates combined with the member discharges to the interceptor exceeds the pipe capacity of the NWI. A concept was developed as part of the Oakwood District Analysis in 2016 to isolate the downstream portion of the NWI from the Water Resource Recovery Facility (WRRF) and divert flow to the Oakwood Pump Station. This concept was further evaluated and refined under the WWMP project. The purpose of this project is to study and design a flow control structure and a connector pipe to convey peak wet weather flows from NWI to the Oakwood Pump Station.

JUSTIFICATION

The WWMP recommended several new projects in three phases over the next thirty years. The Northwest Oakwood Connector project was the top project in phase one and achieves significant reduction in CSO by utilizing existing capacity at the Oakwood CSO facility.

The scope of services includes the following:

- Project Kickoff
- Project Management
- Study Phase
- Design Phase
- Construction Bid and Negotiation
- Construction Phase Activities Support

FINANCIAL PLAN IMPACT

Summary: Sufficient funds are provided in the financial plan for this project.

Funding Source: Wastewater Construction Bond

Cost Center: Wastewater Engineering

Expense Type: Construction (5421-892411.000-617950-222001)

Estimated Cost by Year and Related Estimating Variance: See table below.

Fiscal Year	
FY 2021 Plan	$ 889,000.00
FY 2022 Plan	3,042,000.00

FY 2023 Plan	704,000.00
FY 2024 Plan	342,000.00
FY 2025 Plan	341,000.00
Financial Plan Estimate	$ 5,318,000.00
Proposed Contract Award	5,599,456.00
Negative Estimating Variance	$ (281,456.00)

This negative estimating variance to be funded from capital reserves.

SAVINGS, COST OPTIMIZATION, AND REVENUE ENHANCEMENT IMPACT

The cost savings are not determinable at the time of award.

COMMITTEE REVIEW

This item was presented to the Operations and Resources Committee at its meeting on November 12, 2020. The Operations and Resources Committee unanimously recommended that the GLWA Board adopt the resolution as presented.

SHARED SERVICES IMPACT

This item does not impact the shared services agreement between GLWA and DWSD.