



Legislation Text

File #: 2019-184, **Version:** 1

Contract No. 1802575

GLWA Conveyance System Engineering Services

CIP# 260200

Agenda of: May 22, 2019

Item No.: **2019-184**

Amount: \$3,149,897.00

TO: The Honorable
Board of Directors
Great Lakes Water Authority

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

DATE: May 1, 2019

RE: **Contract No. 1802575**
GLWA Conveyance System Engineering Services
Vendor: Brown and Caldwell, LLC

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. 1802575 "GLWA Conveyance System Engineering Services" with Brown and Caldwell, LLC, at a cost not to exceed \$3,149,897.00 for a duration of 36 months;** and authorizes the CEO to take such other action as may be necessary to accomplish the intent of this vote.

BACKGROUND

The GLWA sewer system (approximately 180 miles of sewers ranging from 48" through 168") is 80 years old on an average, with much of the infrastructure more than 100 years old. These sewers have been constructed in various phases under various contracts using bricks or concrete. Due to the age and various deterioration of these aging sewer pipes, immediate repair and/or rehabilitation is often required.

JUSTIFICATION

GLWA recently conducted a global inspection of the sewer interceptor system under contract GLWA-CON-149 "Emergency Sewer Repair" to determine their condition and to identify areas of severe distress that require repairs and/or rehabilitation. Contract No. 1802575 builds upon that inspection by providing engineering services to evaluate the inspection results and recommend the best rehabilitation method. Also, the consultant will design and prepare bid packages for the construction contracts. Such design includes collecting additional data (structural and geotechnical), performing analysis of the conditions, developing feasible alternatives, working with GLWA to select the best alternative, completing the design, assisting with procurement, and providing oversight of the construction.

Project Objectives

The project tasks are described as follows:

- A. Review Pipeline Assessment Certification Program (PACP) Reports, CCTV, and Historical As-built Drawings
- B. Manual Inspection of Sewers, if necessary
- C. Rehabilitation/Repair Evaluation and Option Analysis
- D. Flow Control Design
- E. Preparation of Construction Documents
- F. Construction Assistance

FINANCIAL PLAN IMPACT

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

Funding Source: Wastewater Construction Bond

Cost Center: Field Engineering

Expense Type: Construction (5421-892411.000-617950-260204)

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

Fiscal Year

FY 2020 Plan	1,049,952.00
FY 2021 Plan	1,049,952.00
FY 2022 Plan	<u>1,049,953.00</u>
Financial Plan Estimate	\$ 3,149,857.00
Proposed Contract Award	<u>3,149,857.00</u>
Estimating Variance	\$ 0.00

This proposed contract is being funded from unallocated Program 260200 balances identified in FY 2020 - 2024 CIP Plan.

SAVINGS, COST OPTIMIZATION, AND REVENUE ENHANCEMENT IMPACT

This project provides for the evaluation and recommendations on repair/rehabilitation for the sewers under. 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 May 8, 2019. 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.