Legislation Details (With Text)

File #:	2022-225	**Version:**	1	**Name:**	
Type:	Resolution			**Status:**	Passed
File created:	5/26/2022			**In control:**	Board of Directors
On agenda:	6/22/2022			**Final action:**	6/22/2022
Title:	Contract No. 2103688 Rehabilitation of Connors Creek Sewer System CIP #260204 / BCE Score: 76.7 (Project Manager Score Only)				
Sponsors:	Cheryl Porter, Todd King				
Indexes:	Water Operations				
Code sections:					
Attachments:	1. 2103688 Procurement Board Report, 2. 2103688 Bid Tab, 3. Board Communication-Response to Question Contract No. 2103688 Rehabilitation of Connors Creek Sewer System				

Date	Ver.	Action By	Action	Result
6/22/2022	1	Board of Directors	Approved	Pass
6/8/2022	1	Operations and Resources Committee	Recommended for Approval	Pass

Contract No. 2103688
Rehabilitation of Connors Creek Sewer System

CIP #260204 / BCE Score: 76.7 (Project Manager Score Only)

Agenda of: June 22, 2022
Item No.: **2022-225**
Amount: $49,576,196.00

TO: The Honorable
Board of Directors
Great Lakes Water Authority

FROM: Suzanne R. Coffey, P.E.
Interim Chief Executive Officer
Great Lakes Water Authority

DATE: May 27, 2022

RE: **Contract No. 2103688**
Rehabilitation of Connors Creek Sewer System
Vendor: Oscar Renda Contracting, Inc.

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 Interim Chief Executive Officer (ICEO) to **enter into Contract No. 2103688 "Rehabilitation of Connors Creek Sewer System" with Oscar Renda Contracting, Inc., at a cost not to exceed $49,576,196.00 for a duration of 840 days;** and authorizes the ICEO to take such other action as may be necessary to accomplish the intent of this vote.

BACKGROUND

GLWA's Sewer Conveyance System has approximately 130 miles of trunk sewers and 51 miles of interceptors. The Connors Creek Sewer System (CCSS) is an extremely large, combined sewer system located in GLWA's East Sewer District. The pipeline consists of five different configurations totaling approximately 8 miles in length. The circular pipe segments range from 24" to 13'-6" diameter between 8 Mile Road and 7 Mile Road. An arch shaped pipe approximately 22' wide and 17' high traverses the Mt. Olivet Cemetery and Coleman Young Airport. A 12' wide x 17'-6" tall double box shape carries flow past I-94 and transitions to 3 - 12' wide x 17'-6' tall conduits from Warren Avenue to East Jefferson. Between Jefferson and the Detroit River, two similar triple barrel conduits receive additional flow from the Connors and Freud Pump Stations to the Connors CSO facility. Much of the sewer was constructed in the 1920s.

JUSTIFICATION

Pipeline Assessment and Certification Program (PACP) inspections for the CCSS consisting of closed-circuit television (CCTV) and man-entry inspections were performed in 2017 and 2020-2021, respectively. The inspections identified leaks, settled deposits, cracks, exposed reinforcement, and other items that require repair to the sewers. These rehabilitation repairs are necessary to prevent further deterioration leading to structural failure and will extend the useful life of this critical linear infrastructure asset. Cured-in-Place Pipe, sliplining, and spot repairs will be used to address most of the identified damage. Heavy cleaning will remove settled sand, gravel, mud, and organic matter from the sewer. Prior to the storms of the summer of 2021, some reaches of the pipe had up to 5% of the pipe area taken up by settled solids. A follow-up inspection conducted after the storms revealed the quantity of debris in the pipe had increased. Over one-third of the project cost now is for cleaning the pipe. The project has been approved for Clean Water State Revolving Fund (CWSRF) funding by the Michigan Department of Environment, Great Lakes, and Energy (EGLE). The cost to remove additional settled solids documented to have accumulated after the 2021 storms are part of a GLWA request for Federal Emergency Management Agency (FEMA) flood recovery funding.

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 (5421-892411.000-616900-260204)

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

Fiscal Year	
FY 2023 Plan	$ 9,856,000.00
FY 2024 Plan	17,046,000.00
FY 2025 Plan	16,996,000.00
Financial Plan Estimate	$43,898,000.00
Proposed Contract Award	49,576,196.00
Estimating Variance	($ 5,678,196.00)

A budget amendment will be prepared to fund the negative estimating variance from capital reserves.

COMMITTEE REVIEW

This item was presented to the Operations and Resources Committee at its meeting on June 8, 2022. 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.