AGENDA MEMORANDUM
Action Item for the City Council Meeting of October 22, 2024

DATE: October 22, 2024

TO: Peter Zanoni, City Manager

FROM: Jeff H. Edmonds, P.E., Director of Engineering Services
jeffreye@cctexas.com
(361) 826-3851

Nicholas Winkelmann, P.E., Director of Water Systems and Support Services
nickw@cctexas.com
(361) 826-1796

Josh Chronley, CTCD, Assistant Director of Finance & Procurement
joschc2@cctexas.com
(361) 826-3169

Construction Contract Award
Mary Rhodes Pipeline Phase 1 System Improvements Rebid

CAPTION:

Resolution rejecting the bids of IECON, Inc. and Taknek, LLC as non-responsive and authorizing a construction contract with H&S Constructors, Inc, Corpus Christi, TX as the lowest responsive, responsible bidder in the amount of $12,174,975.00 for the Mary Rhodes Pipeline Phase 1 System Improvements Project for improvements to the booster pump stations located at Bloomington, Texas and Woodsboro, Texas associated with the Mary Rhodes Pipeline (MRP) raw water delivery system, with FY 2025 funding available from the Raw Water Capital Fund.

SUMMARY:

This resolution approves a construction contract for the Mary Rhodes Pipeline Phase 1 System Improvements project. The project includes improvements at both the Bloomington and Woodsboro Pump Stations. The primary improvements at both pump stations include the replacement of existing motor soft starter with a new variable frequency drive (VFD), installation of hydro-pneumatic actuators on pump control valves and electric motor actuators, generators for ancillary equipment, and upgrades to the heating, ventilation, and air conditioning. (HVAC). Additional upgrades at the Bloomington Pump Station consist of the addition of one new booster pump and VFD and replacement of uneven concrete panels around ground storage tank.

BACKGROUND AND FINDINGS:

There are three pump stations associated with phase 1 of the Mary Rhodes Pipeline which conveys water from Lake Texana to the O.N. Stevens Water Treatment Plant. These include

Intake Pump Station at Lake Texana, Booster Station No. 1 near Bloomington, and Booster Station No. 2 near Woodsboro. The Lavaca-Navidad River Authority (LNRA) owns, operates, and maintains the Intake Pump Station at Lake Texana. The two booster pump stations are owned, operated, and maintained by the City of Corpus Christi.

The project scope includes the following:

Bloomington Booster Pump Station

- New horizontal split-case centrifugal pump and associated pipe, valves, and fittings.
- Two new medium voltage variable frequency drives (VFDs), one for the new pump and one to replace an existing VFD on an existing pump.
- Remove hydro-pneumatic valve actuators on the pump discharge flow control valves and replace with new electric motor valve actuators for four existing pump trains and one new pump train.
- New electro-magnetic flow meter with a new concrete vault, associated connections to the existing pipeline, and electrical and signal cabling and conduits.
- New sump pump: three in existing valve vaults and one in the new meter vault, and associated controllers, electrical and signal cabling and conduits.
- Sump pump discharge pumping from the vaults to the existing water storage tank.
- One new low voltage emergency generator and associated duct bank.
- Two new outdoor air conditioning units, modifications to two existing air handler units, associated modifications to ducting, louvers, wiring, and controls.
- Replacement of heaved concrete panels adjacent to the storage tank.
- Selective process mechanical, building mechanical, and electrical demolition.
- Instrumentation and control programming associated with the new pumps, pump control valves, and flow meters.

Woodsboro Booster Pump Station

- One new medium voltage variable frequency drive (VFD) to replace an existing VFD on an existing pump.
- Remove hydro-pneumatic valve actuators on the pump discharge flow control valves and replace with new electric motor valve actuators for four existing pump trains and one new pump train.
- New electro-magnetic flow meter with a new concrete vault, associated connections to the existing pipeline, and electrical and signal cabling and conduits.
- New sump pump: three in existing valve vaults and one in the new meter vault, and associated controllers, electrical and signal cabling and conduits.
- Sump pump discharge pumping from the vaults to the existing water storage tank.
- One new low voltage emergency generator and associated duct bank.
- Two new outdoor air conditioning units, modifications to two existing air handler units, associated modifications to ducting, louvers, wiring, and controls.
- Replacement of heaved concrete panels adjacent to the storage tank.
- Selective process mechanical, building mechanical, and electrical demolition.
- Instrumentation and control programming associated with the new pumps, pump control valves, and flow meters.

PROJECT TIMELINE:

2022-2024	2024	2024-2026
Janurary - January	**February - October**	**November - February**
Design	**Bid/Rebid/Award**	**Construction**

Projected Schedule reflects City Council award in October 2024 with anticipated construction completion by February 2026.

COMPETITIVE SOLICITATION PROCESS:

The Contracts and Procurement Department issued a Request for Bids for this project on February 12, 2024. The City received submissions from five contractors. The first few bidders failed to demonstrate qualified project experience. At this time it was determined to re-bid the project.

The project was re-advertised for bid on June 10, 2024, and bids were opened on July 24, 2024. The City received submissions from five contractors. All bids were reviewed to ensure that they were in accordance with the contract documents. After reviewing it was determined that H&S Constructors, Inc., is the lowest responsive and responsible bidder. IECON, Inc. and Taknek, LLC were determined to be non-responsive with failure to demonstrate sufficient experience and failure to provide favorable references.

A summary of the bids is provided below:

BID SUMMARY	
CONTRACTOR	**BASE BID**
H&S Constructors, Inc.	**$12,174,975.00**
CSA Construction, Inc.	$12,326,000.00
Associated Construction Partners, LTD	$13,997,500.00
~~IECON, Inc.~~	~~$10,940,273.78~~
~~Taknek, LLC~~	~~$11,231,662.00~~
Engineer's Opinion of Probable Construction Cost	***$9,084,000.00***

H&S Constructors, Inc., has successfully completed City projects, including Wesley Seale Dam Sluice Gate Improvements and Choke Canyon Dam Infrastructure Improvements. They have also completed various construction projects for the Port of Corpus Christi.

ALTERNATIVES:

City Council could choose not to award the construction contract to the low bidder, H&S Constructors, Inc. This would delay the improvements to the booster pump stations and the ability to meet peak water demands.

FISCAL IMPACT:

The fiscal impact for FY 2025 is an amount of $12,174,975.00 with funding available from the Raw Water Capital Fund. The shortfall in the funding is transferred from the Mary Rhodes Pipeline II System Improvements (Bank Erosion) contingency expenditure.

FUNDING DETAIL:

Fund:	**RWSpplyDvChrg CIP (Fund 4481)**
Department:	Water (45)
Organization:	Grants & Capital Projects Funds (89)
Project:	Mary Rhodes Pipeline Phase 1 System Improvements Rebid (Project No. E13037)
Account:	Construction (550910)
Activity:	E13037014481EXP
Amount:	$12,174,975.00

RECOMMENDATION:

Staff recommends awarding a construction contract to H&S Constructors, Inc., for the Mary Rhodes Pipeline Phase 1 System Improvements Rebid project in the amount of $12,174,975.00. The construction duration is planned for 15 months from issuance of Notice to Proceed to begin construction in November 2024.

LIST OF SUPPORTING DOCUMENTS:

Resolution
Bid Tabs
Location and Vicinity Maps
CIP Page
PowerPoint Presentation