



## AGENDA MEMORANDUM

Action Item for the City Council Meeting of June 13, 2023

**DATE:** May 23, 2023

**TO:** Peter Zaroni, City Manager

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**Professional Services Contract Award**  
**Mary Rhodes Phase I Condition Assessment**

**CAPTION:**

Motion awarding a professional services contract to HDR Inc., Corpus Christi, Texas, to provide professional engineering services to assess the condition of the 64-inch diameter Mary Rhodes Pipeline Phase I water transmission main in an amount not to exceed \$2,580,261.00 with FY 2023 funding available from the Water and Raw Water Capital Fund.

**SUMMARY:**

The estimated 12-month project duration will provide CCW with an overall condition assessment of the MRP with specific tasks that include condition assessment planning, and external and internal investigations of the pipeline. This motion authorizes approval of a professional engineering contract to provide condition assessment planning, data collection, and external and internal investigation of the Mary Rhodes Pipeline Phase I.

**BACKGROUND AND PURPOSE:**

The City of Corpus Christi owns and operates the Mary Rhodes Phase I pipeline for the delivery of raw water to the O.N. Stevens Water Treatment Plant from both Lake Texana and the Colorado river. The length of this 64-inch pipeline is 101 miles from Lake Texana in Edna, Texas to the O.N. Stevens Water Treatment Plant. The pipeline material is B303 Bar-Wrapped Pipe. This pipe has four different pressure ratings (100, 125, 150, and 175 psi) that were installed at varying locations along the pipeline.

This item awards a professional engineering contract for engineering services to support the project

implementation.

**PROJECT TIMELINE:**

<b>2023 – 2024</b>
<b>August – July</b>
<b>Engineering Assessment and Evaluation</b>

Project schedule reflects City Council award on June 13, 2023.

**COMPETITIVE SOLICITATION PROCESS**

The Contracts and Procurement Department issued a Request for Qualifications on November 22, 2022, with RFQ No. 4413 Professional Engineering and Testing Services for FY2023 and Bond 2022. The city received statements of qualifications from fifteen firms. The selection committee consisted of representatives from Engineering Services and Water Utilities.

Firm ranks were based on three factors:

1. Experience of the firm
2. Experience of the key personnel with specific experience with similar projects
3. Understanding of Project Scope.

HDR Inc. was the highest ranked firm and has over 105 years of experience in the planning and design of water-related infrastructure projects and facilities. They have served the City of Corpus Christi's Water and Wastewater Departments for 37 plus years on several projects. Previously HDR Inc. completed a desktop condition assessment study of the Mary Rhodes Phase I pipeline which was completed in November 2022. HDR Inc. was also the design engineer for the Leopard Street (Nueces Bay Blvd. to Palm) Project no. 18027A.

**ALTERNATIVES:**

City Council could choose not to award the contract to HDR Inc. Not awarding the contract for professional services will delay this assessment which staff has identified as critical for the future operation of this transmission main. Not addressing potential failure areas may affect the raw water supply to the O.N. Stevens Water Treatment Plant.

**FISCAL IMPACT:**

The fiscal impact in FY 2023 is an amount of \$2,580,261.00 with funding available from the Water and Raw Water CIP Fund. The shortfall in the funding for the project will be transferred from Mary Rhodes I System Improvements (E13037). Mary Rhodes I System Improvements is at 100% design. The project will be rolled into construction in FY 2024.

**FUNDING DETAIL:**

Fund: Water 2015 MRP2 (Fund 4095)  
Department: Water (45)  
Organization: Grants & Capital Projects Funds (89)  
Project: Mary Rhodes Pipeline Condition Assessment (Project No. 23027)  
Account: Outside Consultants (550950)  
Activity: 23027  
Amount: \$2,047,737.43

Fund: Water 2023 CIP (Fund 4481)  
Department: Water (45)  
Organization: Grants & Capital Projects Funds (89)  
Project: Mary Rhodes Pipeline Condition Assessment (Project No. 23027)  
Account: Outside Consultants (550950)  
Activity: 23027  
Amount: \$532,523.57

**Total Amount: \$2,580,261.00**

**RECOMMENDATION:**

City staff recommend approval of the contract to provide engineering professional services for condition assessment, evaluation, and recommendation for the Mary Rhodes Phase I transmission main in an amount not to exceed \$2,580,261.00 to HDR Inc.

**LIST OF SUPPORTING DOCUMENTS:**

Location & Vicinity Maps  
Evaluation Matrix  
Proposal  
CIP Page  
Presentation