



City of Columbia

701 East Broadway, Columbia, Missouri 65201

Department Source: City Utilities - Water and Light

To: City Council

From: City Manager & Staff

Council Meeting Date: August 17, 2020

Re: Authorizing an agreement for professional engineering services HDR Engineering, Inc. for West Ash Pump Station Upgrades

Executive Summary

Staff has prepared for Council consideration an ordinance authorizing the City Manager to execute an agreement with HDR Engineering, Inc. for a not to exceed amount of \$499,485 to provide professional engineering services related to West Ash Pump Station Upgrades. HDR Engineering, Inc. was selected for this project in accordance with the City's professional consultant procurement guidelines.

Discussion

In 2008 Jacobs Engineering provided the City with the Long Range Water System Study which identified a need for future capacity improvements at the West Ash Pump Station. An update to this study was provided in 2015. In 2016 Black & Veatch provided the City with Condition Assessment Report for the West Ash Pump Station which provided recommendations on rehabilitation of the station. This report evaluates and recommends improvements to restore capacity and reliability to the pump station.

The West Ash Pump Station was originally constructed in 1970 and has seen a number of minor upgrades and expansions throughout its service life. The station currently operates on a non-standard 2400V electrical system and many of the original components are at the end of their service life. A complete electrical upgrade including the addition of a stand-by generator to achieve a greater level of redundancy is included in the scope of design.

The not to exceed design fees for this project are \$499,485. This amount is within the usual and customary guidelines for this type of project. An allowance in the amount of \$60,610 has been included for supplemental services which may include additional hydraulic analysis of the station and recommended modifications. Once design is complete and construction is ready to proceed, it will be necessary to amend this contract to include construction phase engineering services. The design and bid phase services identified in this agreement are anticipated to take 303 calendar days from the issuance of the Notice to Proceed.

The Water and Light Advisory Board has reviewed this agreement at their August 5, 2020 meeting and voted to recommend Council approval.



Fiscal Impact

Short-Term Impact: The engineering contract is for a not to exceed amount of \$499,485 and will be paid from Water Bond Funds budgeted for this project.

Long-Term Impact: The construction and engineering costs for this project are estimated to be approximately \$3,300,000. The engineering design will provide a more accurate evaluation of construction costs depending on the total rehabilitation needs of the facility.

Strategic & Comprehensive Plan Impact

Strategic Plan Impacts:

Primary Impact: Infrastructure, Secondary Impact: Operational Excellence, Tertiary Impact: Tertiary

Comprehensive Plan Impacts:

Primary Impact: Infrastructure, Secondary Impact: Environmental Management, Tertiary Impact: Tertiary

Legislative History

Date	Action
07/01/2019	(Ord23922) Amending the FY2019 Annual Budget by appropriating funds from the sale of Water and Electric System Revenue Bonds to various FY2019 water capital improvement projects.
05/06/2019	(Ord23850) Authorizing the issuance of Water and Electric System Revenue Bonds, Series 2019A.
04/15/2019	(R61-19) Authorizing the notice of sale of Water and Electric System Revenue Bonds, Series 2019A.
09/04/2018	(R133-18) Declaring results of the special election held on August 7, 2018.
05/21/2018	(Ord23535) Calling a special election on Tuesday, August 7, 2018 relating to the issuance of Water and Electric System Revenue Bonds.

Suggested Council Action

Authorize the City Manager to execute the agreement with HDR Engineering, Inc. to provide professional engineering services for West Ash Pump Station Upgrades.