



City of Olathe

COUNCIL AGENDA ITEM

MEETING DATE: 3/17/2020

DEPARTMENT: Public Works

STAFF CONTACT: Mary Jaeger / Beth Wright

SUBJECT: Contract with HDR Engineering, Inc. for design of the Lift Station Replacements Project, PN 1-C-020-15.

ITEM DESCRIPTION:

Consideration of a Professional Services Agreement with HDR Engineering, Inc. for design of the Lift Station Replacements Project, PN 1-C-020-15.

SUMMARY:

The Lift Station Replacements Project is an annual project to upgrade or replace aging lift stations within the City's sanitary sewer system. Staff continually evaluates the conditions of the lift stations based on inspection information and asset management data and may revise the program as necessary based on this information and the total cost of ownership to maintain this infrastructure.

This year the project will include replacement of the Hedge Lane Lift Station and upgrades at the 111th Street Lift Station. Upgrades to the 111th Street Lift Station are being handled under a separate construction contract. The Hedge Lane Lift Station is a small residential lift station that is being replaced and relocated due to age and traffic safety concerns. The upper steel portion of the lift station which houses the pumps and controls is in poor condition and the pumping capacity has declined to an average of 485 gpm from a design capacity of 1,000 gpm. Located just off the northwest corner of the intersection of Dennis Avenue and Hedge Lane, components of the lift station have been damaged by vehicle collisions on multiple occasions. The replacement of this lift station will minimize risk, optimize performance, improve efficiency and decrease operations and maintenance costs.

On December 26, 2019, the City advertised a Request for Qualifications (RFQ) for engineering companies to provide design services for the replacement of the Hedge Lane Lift Station. Nine (9) firms responded to the RFQ. After reviewing all proposals, the selection committee chose HDR Engineering, Inc. as the most qualified firm.

The \$164,055 Professional Services Agreement provides engineering services necessary for design of the project, including survey of existing conditions, hydraulic analysis, design of lift station replacements, geotechnical investigation, pump analysis, cost estimates, development of construction plans in accordance with Olathe specifications and industry standards, assistance with bidding of the project for construction and assistance as needed throughout construction.

The project is scheduled to begin design in March 2020. Construction is tentatively scheduled to begin in Fall 2020 with completion in Spring 2021.

FINANCIAL IMPACT:

MEETING DATE: 3/17/2020

Funding for the Hedge Lane Lift Station portion of the Lift Station Replacements Project includes:

Revenue Bonds	\$1,500,000
<u>Water/Sewer Fund</u>	<u>\$ 250,000</u>
Total:	\$1,750,000

ACTION NEEDED:

Approval of a Professional Services Agreement with HDR Engineering, Inc. for design of the Lift Station Replacements Project, PN 1-C-020-15.

ATTACHMENT(S):

- A. Project Location Map
- B. Project Fact Sheet
- C. Professional Services Agreement