



City of Olathe

COUNCIL AGENDA ITEM

MEETING DATE: 6/18/2024

FOCUS AREA: Infrastructure (Engineering)

STAFF CONTACT: Mary Jaeger / Nate Baldwin

SUBJECT: Agreement with Johnson County for a Preliminary Project Study for potential water quality improvements as a part of the Cedar Lake Dam Restoration Project, 2-C-021-23.

TITLE:

Consideration of an Agreement with Johnson County for a Preliminary Project Study for the Cedar Lake Dam Restoration Project, 2-C-021-23.

SUMMARY:

State regulations for high hazard dams require regular dam inspections and maintenance for both spillways and dams. The Cedar Lake Dam is classified as a high hazard dam and falls under State Regulation.

To comply with State requirements, the spillway and dam of Cedar Lake must be improved. This project will remove and replace the existing spillway, and the dam embankment will be raised a minimum of three (3') feet to meet current State requirements.

On February 20, 2024, Council approved a Supplemental Agreement with Olsson, Inc. for additional design services. The Supplemental Agreement No. 1 was to provide additional engineering services including bathymetric survey and sediment sample collection. This data was to be used to identify possible water quality improvements and dredging options that may occur with construction of the dam improvements. The City hoped to use the data to be better prepared to apply for additional Johnson County Stormwater Management Advisory Council (SMAC) funds for potential water quality improvements to Cedar Lake.

Staff have since met with Johnson County SMAC and the Cedar Creek Watershed Committee. They have agreed to allow the City to move forward with preparation of a Preliminary Project Study to identify options for water quality improvements to Cedar Lake. In order for the City to accept County funding for the Study, the City must approve this agreement with the Johnson County SMAC program. The County will reimburse the City in the amount of \$57,262.50 (75% of a maximum \$76,350) for this study.

The Cedar Lake Dam Restoration project is currently under design and tentatively scheduled to begin construction in early 2025.

Any potential water quality improvements would depend on the results of the study, and funding availability from both the City and Johnson County SMAC.

FINANCIAL IMPACT:

Funding for the Cedar Lake Dam Restoration Project, as approved in the 2024-2028 Capital

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Improvement Plan, includes:

Federal HUD	\$ 750,000
Revenue Bonds	\$ 2,144,140
Johnson County SMAC	\$ 1,675,360
<u>Stormwater Fund</u>	<u>\$ 730,500</u>
Total	\$ 5,300,000

ACTION NEEDED:

Approval of an Agreement with Johnson County for a Preliminary Project Study for the Cedar Lake Dam Restoration Project, 2-C-021-23.

ATTACHMENT(S):

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