



**Project Fact Sheet**  
**On-Call Engineering Services**  
**Wastewater Treatment**  
**April 20, 2021**

**Project Manager:** Alan Shorthouse/John Gilroy

**Description:** The Harold Street and Cedar Creek Wastewater Treatment Plant (WWTP) have received top honors from National Association of Clean Water Agency every year since 2004. However, the Harold Street WWTP was constructed in 1956, and the Cedar Creek WWTP was constructed in 1984, and both facilities require condition assessments to redefine the useful life of the oldest structures and their rehabilitation needs.

One of the first Task Orders that the On-Call Engineer will assist with is the structural rehabilitation of the 1984 oxidation ditches at the Cedar Creek WWTP. The ditches comprise 32% of the facility's total capacity.



**Structural Rehabilitation Needs at the Cedar Creek WWTP Oxidation Ditches**

Other Task Orders include HVAC evaluations of buildings at both WWTP's that froze and had water line breaks in February 2021; assigning life durations to key equipment as part of the Asset Management Plan; and the development of a process model to verify the timing of future plant expansion at Cedar Creek WWTP.

The Harold Street WWTP permit expires in 2023, and the Cedar Creek WWTP permit expires in 2024; therefore, another Task Order for the On-Call Engineer will be to participate in meetings with the Kansas Department of Health & Environment (KDHE) to discuss stream quality and future regulations. The On-Call Engineer can leverage their experiences with other utilities and regulatory agencies on behalf of the City and assist with developing new permits that are in the City's best interest.

**Justification:** Preventative maintenance has extended the life of the existing equipment past the expected life in many cases, but there is some uncertainty in the useful life of some of the original structures. Proactive evaluation of wastewater needs will prevent permit violations, odor complaints, and citizen dissatisfaction.

**Comments:** This project is being paid for with Water & Sewer Funds.

<b>Council Actions:</b>	<b>Date</b>	<b>Amount</b>
Contract Award	04/20/2021	up to \$ 750,000
<b>Funding Sources:</b>	<b>Amount</b>	<b>Budget Year</b>
Water & Sewer Funds	up to \$ 150,000	2021
Water & Sewer Funds	up to \$150,000	2022
Water & Sewer Funds	up to \$150,000	2023
Water & Sewer Funds	up to \$ 150,000	2024
Water & Sewer Funds	up to \$150,000	2025
<b>Total</b>	up to \$750,000	