



## COUNCIL AGENDA ITEM MEMORANDUM

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**DEPT./DIVISION SUBMISSION & REVIEW:**

Don Bond, Director of Public Works  
Kenton Moffett, Assistant Director of Public Works

**ITEM DESCRIPTION:** Consider adopting a resolution authorizing a professional services agreement with RJN Group of Dallas, for assessments of Little Elm and Leon River wastewater basins, in an amount not to exceed \$1,473,861.

**BACKGROUND:** The City of Temple's wastewater collection system is critical to safeguarding public health, preserving the environment, and sustaining our economy. The collection system consists of over 400 miles of wastewater pipes, lift stations and treatment facilities. The facilities are deteriorating and aged in many areas which allows significant inflow and infiltration (I&I) into the system. I&I causes wastewater overflows and impacts to both the community and environment. The City has invested in the wastewater system infrastructure over the last 18 years and has upgraded critical interceptors and collection lines through development and implementation of a robust capital improvement program.

In 2008 the City of Temple entered into a voluntary Sanitary Sewer Overflow (SSO) initiative agreement with the State of Texas. System inspection, cleaning, and deficiency repairs were successfully completed in accordance with the agreement. This reduced the number of overflows annually but did not eliminate them. As part of a more aggressive (SSO) reduction initiative by the U.S. EPA, a comprehensive EPA inspection of the system was conducted in early 2017. As a result of the inspection, subsequent discussions and negotiations, the EPA issued an Administrative Order (AO) to the City of Temple in August 2018. The AO establishes required actions necessary to reduce SSOs to an acceptable level by thoroughly assessing the entire wastewater collection system, improving operational efficiencies, and completing all identified projects by September 2028. Specific milestones are established to ensure the order is followed and completed as expected by the EPA within the next 10 years. The AO does not assess a monetary penalty, however, compliance with applicable Federal regulations is required to avoid further action from the EPA.

Activities specified by the AO include development and implementation of an electronic asset management program, development of a 5-year and 10-year design storm wastewater collection

system model calibrated to reflect actual and existing system conditions, power source redundancy for plants and lift stations, a complete System Evaluation Capacity and Assurance Plan (SECAP), evaluation of all private non-plastic lateral lines, and completion of correcting system deficiencies as identified. Implementation of a Capacity Management Operations and Maintenance (CMOM) Plan is also expected.

RJN Group, Inc. (RJN) has been pre-qualified to provide professional services for the City through Request for Qualifications No. 13-14-20 and has been deemed the most highly qualified firm for this project. For many years RJN has successfully worked with numerous utilities to meet required EPA deadlines through leveraged technology and local partnerships. The City has entered in multiple contracts with RJN to meet the requirements of the AO as noted below:

- November 2018 - Develop a SECAP and assess the Friars Creek basin. Completed in 2019, rehab underway.
- December 2019 – Assess the Bird Creek basin. Completed in 2021, rehab underway.
- April 2021 – Assess the Knob Creek basin. Completed in 2022, rehab underway.

Continuing through the collection system, staff recommends a contract with RJN for an assessment of the Little Elm and Leon River wastewater basins. Activities include assessment of approximately 420,000 linear feet of pipe, approximately 1,450 manholes and Closed-Caption Television (CCTV) assessment of approximately 84,000 linear feet of pipe. This contract also includes assessment of private lateral lines as outlined in the AO. Expected deliverables include a prioritized analyzed rehabilitation and improvement plan for identified infiltration/inflow defect repairs and improvements for both City and privately-owned infrastructure. Recommendations for addressing privately owned infrastructure will be included to resolve possible overflow issues. The attached proposal includes costs for Project Management and Administration in the amount of \$47,915, assessment of the Little Elm and Leon River basins for \$1,425,946. The timeline for project completion is 365 days.

**ALIGNMENT WITH ADOPTED PLANS:** Strategic Plan: This item supports the Strategic Plan goal of “infrastructure and systems that support exceptional services and community growth,” and the Strategic Plan commitment to “Plan for, design, construct, and maintain high quality water, wastewater, and drainage infrastructure, systems, and services that meet the needs of the community now and in the future.”

**STAFF RECOMMENDATION:** Adopt resolution as presented in item description.

**BOARDS & COMMISSIONS RECOMMENDATION:** This item was not reviewed by any of the official boards and commissions.

**FISCAL IMPACT:** Funding for the professional services agreement with RJN Group for the assessment of Little Elm and Leon River wastewater basins in the amount of \$1,473,861 is available in account 561-5400-535-2616, project 102470, as follows:

Project Budget	\$	500,000
Budget Adjustment		973,861
Encumbered/Committed to Date		-
<b>RJN Group</b>		<b>(1,473,861)</b>
<b>Remaining Project Funds Available</b>	<b>\$</b>	<b>-</b>

**ATTACHMENTS:**  
Budget Adjustment  
Resolution  
Proposal