



MEMORANDUM

To: Mayor and City Council

From: James D. Meier, P.E., Assistant Director of Public Works
Mike Garza, P.E., Director of Public Works

Date: November 11, 2025

Reference: Consider approval to award a Professional Services Agreement with Kimley-Horn Associates; for the Water Condition Assessment Improvements Design project; for the design of improvements to the City's critical water transmission lines to be able to perform water system condition assessments; in the amount of \$224,100; as budgeted in the Water/Sewer fund; and authorizing the City Manager to sign necessary documents.

2040: Sustainable Government

Introduction:

The purpose of this agenda item is to request approval to enter into a Professional Services Agreement with Kimley-Horn Associates for the Water Condition Assessment Improvements Design project in the amount of \$224,100 for the design of improvements to the City's critical water transmission lines to be able to perform water system condition assessments; as budgeted in the Water/Sewer fund; and authorizing the City Manager to sign necessary documents.

Background:

In 2015, staff began developing an asset management plan for critical utility infrastructure which included the sanitary sewer system, water system, and storm drainage system. A key component of that plan was conducting condition assessments to establish maintenance and replacement schedules. We completed condition assessments of the sanitary sewer and portions of the storm sewer as these gravity-fed systems are relatively easy to inspect. However, the water system is pressurized making the required inspection technology more complex.

In 2024, we engaged Kimley-Horn Associates to assist in determining the best approach for conducting condition assessments of the water system at specific locations and selecting appropriate methods. This study also included support in developing a replacement strategy for smaller lines, such as those in residential neighborhoods. At the conclusion of that study, Kimley-Horn provided technology recommendations for condition assessments and preliminary recommendations for

necessary improvements to the pipeline system to allow inspection equipment to pass through our critical water lines to determine pipeline integrity.

This Water Condition Assessment Improvements Design project will utilize the recommendations from the Water Condition Assessment study and begin the next phase of the project which will include designing the outlets and manholes that need to be added to the two primary transmission lines from the Village Parkway Pump Station to city's two elevated storage tanks for insertion, extraction, and monitoring of the inspection equipment. This scope also includes coordination with the recommended vendor, Insight Water Technologies, on behalf of the city throughout the inspection process.

Following this design phase contract, we anticipate separately awarding the construction phase for these improvements as well as a separate contract with Insight Water Technologies for their inspection services.

Benefit to the Community:

To provide Sustainable Government, performing condition assessments of our critical water infrastructure will help us understand the current condition of our existing distribution system, prioritize maintenance and future line replacements, and improve our water system operation.

Legal Review:

Standard professional services agreements are periodically reviewed by the City Attorney.

Fiscal Impact:

The fiscal impact of this agenda item is \$224,100 as budgeted in the Water/Sewer Fund.

Recommendation:

The Public Works Department recommends approval of this item.