



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: July 22, 2025

Reference: Consider approval to award Professional Services Agreement to Kimley-Horn; for the design of three (3) analyzer stations at the Village Parkway Pump Station (VPPS), Wagon Wheel Elevated Storage Tank and Southwestern Elevated Storage Tank; in the amount of \$69,800; as budgeted in the Water/Sewer fund; and authorizing the City Manager to sign any necessary documents.

2040: Sustainable Government

Introduction:

The purpose of this agenda item is to request approval to award Professional Services Agreement to Kimley-Horn for the design of three (3) analyzer stations at the Village Parkway Pump Station (VPPS), Wagon Wheel Elevated Storage Tank and Southwestern Elevated Storage Tank in the amount of \$69,800.

Background:

This project involves the design of improvements to the city's water transmission system by adding water quality analyzers at VPPS and the two existing elevated storage tanks. The City purchases treated water from Dallas Water Utilities (DWU) and monitors water quality through various methods including daily chlorine residual samples and weekly Nitrification Action Plan (NAP) samples. Additionally, the City has capability at each elevated storage tank to adjust chlorine when necessary. NAP sampling ensures that chloramine disinfection is successful by measuring nitrification, which results from elevated levels of ammonia in the distribution system.

The addition of real-time chemical analyzers will allow the Water Quality team to automatically adjust chemical injection more quickly in response to any variations in ammonia from the DWU inlet or that is generated within the distribution system. This will help automate our processes and ensure that the City continues to maintain TCEQ water quality standards with reduced manual intervention.

This agenda item is for the design only. The purchase of equipment and construction of the analyzers will be awarded at future meetings. Kimley Horn is an approved professional service design firm

selected through a request for qualifications process as required by State law. The attached scope has the trade name of the analyzer equipment redacted for safety and security reasons.

Benefit to the Community:

To provide Sustainable Government the installation of chemical analyzers will provide real-time monitoring of total chlorine and free ammonia to maintain compliance with TCEQ water quality requirements and potentially reduce unnecessary chemical injection.

Legal Review:

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

Fiscal Impact:

The fiscal impact of this agenda item is \$69,800.00 as budgeted from the current year Water/Sewer Fund.

Recommendation:

The Public Works Department recommends approval of this item.