



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: September 9, 2025

Reference: Consider approval to enter into a Professional Services Agreement with Quiddity Engineering, LLC; for design and engineering services of the Deforest Lift Station Rehabilitation; in the amount of \$357,000; 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 enter into a Professional Services Agreement with Quiddity Engineering, LLC; for design and engineering services of the Deforest Lift Station Rehabilitation; in the amount of \$357,000; as budgeted in the Water/Sewer Fund; and authorizing the City Manager to sign any necessary documents.

Background:

This project involves the design of a rehabilitation project for the Deforest Lift Station. The Deforest Lift Station is one of two lift stations within the City that collects wastewater for delivery to Trinity River Authority (TRA) for treatment. The original Deforest Lift Station was a Municipal Utility District (MUD) lift station that City took over when the City absorbed the MUD in 1990. A new lift station was built next to the original location in 2005. The wastewater that flows into the Deforest Lift Station is pumped from Deforest Rd down MacArthur Blvd, bypassing the Sandy Lake Lift Station and then continuing through the force main and connecting to TRA south of the Riverchase Golf Course.

The proposed rehabilitation scope includes the following key components:

- Blast and recoat interior of the concrete wet well
- Replacement of three (3) submersible pumps
- Replacement of the riser piping, header, valves, and fittings inside the wet well and vault
- Bypass pumping during the required wet well rehabilitation and riser/header piping replacement

- Replacement and upgrade of the vault ventilation system
- Personnel safety and access improvements
- Replacement and upgrade of odor control equipment
- Measurement improvements
- Electrical and instrumentation improvements
- Site aesthetic improvements including brick fence repairs and landscaping

Please note that this agenda item is for the design only. The construction portion of this rehabilitation project will be awarded at a future meeting. Quiddity is an approved engineering professional services firm selected through a qualifications-based process.

Benefit to the Community:

To provide Sustainable Government the rehabilitation of the Deforest Lift Station will ensure continued operation and increased longevity, reduce unscheduled maintenance, and improve the long-term reliability of the wastewater system.

Legal Review:

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

Fiscal Impact:

The fiscal impact of this agenda item is \$357,000 as budgeted from the current year Water/Sewer Fund.

Recommendation:

The Public Works Department recommends approval of this item.