

MEMORANDUM

TO: Claire Powell, City Manager

VIA: Aaron Russell, P.E., Director of Public Services

FROM: Roshan Chaudhary, CIP Manager

DATE: September 9, 2024

SUBJECT: **Approval of a Bid Award for Whippoorwill Lift Station Electrical Improvement Project to Felix Construction Company in the Amount of \$3,036,984, and Authorization for the City Manager, or Her Designee, to Execute the Agreement.**

BACKGROUND

The Whippoorwill Lift Station located at 1700 Garden Ridge Blvd. has been in service for more than 35 years. It is the fourth largest lift station in terms of flow and is key for the conveyance and collection of the City's wastewater near the Northern Gateway area to the treatment plant. The station is a wet-dry well-style lift station. This means that it uses a wet well to collect wastewater and a dry well to house pumps, controls, and other equipment. It is sized to convey wastewater with up to a 2 million gallon per day (MGD) capacity.

In 2018, the station's pumps, motors, and valves were all upgraded as they had reached the end of their service life. Additionally, the city engaged in a professional service agreement with McCreary & Associates to study and design electrical improvements to the lift station. This electrical upgrade will bring the operational components of the station to a reliable level for the next 30 years. The upgrades include a 250 KW generator with an automatic transfer switch, replacement of the existing motor control center, control panels, lighting, HVAC, and SCADA instrumentation system improvements.

ANALYSIS

A total of one (1) bid was received on July 16, 2024. The bidder was Felix Construction Company, who submitted a bid in the amount of \$2,892,366. Felix Construction was the lowest responsible bid with acceptable references and has previously completed projects for the City of Lewisville. The design engineers also provided the recommendation letter after performing a reference check. The past work they have completed including chlorine system improvements at the South Side Pump Station and a sludge line repair at the Prairie Creek Wastewater Treatment Plant, was performed satisfactorily with no issues. The bid from Felix Construction Company is recommended for award.

Additional contingency funding of \$144,618 (5%) is included in the total. Funding is available in the Capital Improvements Project account for Whippoorwill Lift Station Improvements, U1703.

Once notice to proceed is issued on this project, equipment procurement and construction related activities will commence. Construction for these improvements is expected to take place over a period of 14 months and will be completed in late 2025.

CITY STAFF'S RECOMMENDATION

That the City Council approve the agreement and authorize the City Manager, or her designee, to execute the agreement as set forth in the caption above.