



AGENDA ITEM SUMMARY FORM

PROPOSED MEETING DATE: February 21, 2024
PREPARED BY: Frank T. Phelan, P.E.
DEPARTMENT: City Engineer

AGENDA ITEM DESCRIPTION:

Consideration, discussion, and possible action on a Statement of Work No. 8 to the Master Services Agreement between the City of Manor and George Butler Associates, Inc. for the Wilbarger Wastewater Treatment Plant Expansion project.

BACKGROUND/SUMMARY:

This proposed Wilbarger Wastewater Treatment Plant Expansion project has been included in the City's Capital Improvements Plan as part of the Community Impact Fee program effort initiated in 2022. In November of 2023, Certificates of Obligation were issued by the City to fund design and construction of the plant expansion. Over the intervening months, the Capital Committee has met three times and is recommending the City authorize the project.

The proposed Statement of Work is for Professional Engineering Services and defines the scope of services and costs for preliminary engineering, final design, permitting, bidding and construction phase services for the City's expansion of the Wilbarger Wastewater Treatment Plant. These improvements include the necessary design improvements for new construction to expand the wastewater treatment plant from its existing 1.33 million gallons/day (MGD) treatment capacity to its ultimate buildout capacity of 2.0 MGD; addition of new sludge digestion, thickening and dewatering facilities; optimization of anoxic mixers, grit classifier enhancements, train 3 waste activated sludge (WAS) improvements, sodium bisulfite system enhancements and non-potable water system modifications. Design will be in accordance with Chapter 217, 30TAC of the TCEQ rules.

The total project budget for design and construction was estimated at \$16,900,000 in the bond issuance, inclusive of soft costs and contingency factors. The total project budget amount was included in the recent wastewater rate study, so wastewater utility rates can provide debt service funds for the certificates of obligation issued to finance the project.

Current wastewater flows at the Plant are approximately 1.05 MGD or 79% of the permitted phase capacity. The TCEQ Chapter 217 Rules require that plant expansion design commence at 75% of permitted phase capacity and construction start at 90% of permitted phase capacity.

Since the existing Wilbarger WWTP was placed into service in October of 2020 the flows have increased at a rate of about 0.139 MGD per year. Assumption of similar growth within the current service area over next few years

indicates the plant will reach capacity in the next 17 to 33 months. Addition of new tracts into the service area may result in faster utilization of available capacity, shortening the timeframe for Plant expansion.

In the event the City Council acts to award this Statement of Work, the following project schedule is proposed:

- Authorization to begin work: February 2024
- Preliminary Engineering: March 2024 – May 2024
- Engineering Design: June 2023 – November 2024
- Permitting: December 2024 - February 2025
- Bidding: November 2024 – March 2025
- Construction Contract Award: March 2025
- Contract Documents and Notice to Proceed: March - April 2025
- Mobilization and Submittal Reviews: May – June 2025
- Construction: June 2025 – October 2026
- Commissioning and Startup: November 2026
- Project Closeout: December 2026

LEGAL REVIEW: Not Applicable
FISCAL IMPACT: *The project is to be funded with the FY 2023 Certificates of Obligation.*
PRESENTATION: Yes
ATTACHMENTS: Yes

- Statement of Work
- Project Memorandum

STAFF RECOMMENDATION:

The city staff recommends that the City Council approve the Statement of Work #8 to the existing Master Services Agreement with George Butler Associates, Inc. for the Wilbarger Wastewater Treatment Plant Expansion project in the amount of \$1,429,300.

PLANNING & ZONING COMMISSION: **Recommend Approval** **Disapproval** **None**
