

MEMORANDUM

To: Mayor and City Council Members
Steve Parker, City Manager

From: Timothy J. Howe, Director – Water / Wastewater Utilities

Through: Rick Cortes, Assistant City Manager

Subject: Engineering Services for Decommissioning the Walnut Branch Wastewater Treatment Plant / Expanding Geronimo Creek Wastewater Treatment Plant

Date: June 23, 2020

At the request of the City of Seguin, TRC Engineers, Inc. prepared a professional engineering service proposal for decommissioning the Walnut Branch Wastewater Treatment Plant (WBWWTP) and conveying the flow to the Geronimo Creek Wastewater Treatment Plant (GCWWTP) and treating all sewage at the GCWWTP. Decommissioning the WBWWTP will require the design and construction of a new raw sewage pump station at the existing site to pump the sewage through two raw sewage force mains designed and constructed to convey the flow from the new pump station to GCWWTP. The current expansion project underway at GCWWTP will increase to 12 million gallons of flow per day (MGD) as opposed to the original 5.54 MGD. Lastly, all existing structures associated with current WBWWTP process will be demolished.

TRC Engineers, Inc. submitted a three phased proposal to accommodate the project timeline. Phase 1 was approved by City Council on October 3, 2019 and the dollar amount is not a part of this resolution. It is shown for informational purposes and to indicate amendments made to their original proposal to accommodate Texas Water Development Board funding and the increase in capacity at GCWWTP.

Phase 1 – For the City's fiscal year 2020, the topographical surveying, geotechnical and environmental services, TCEQ permit amendments, TWDB engineering report, and preliminary engineering design will be invoiced as follows:

• Topographical Surveying:	\$ 49,800.00
• Geotechnical Services and Report	\$ 75,575.00
• TCEQ Discharge Permit Amendment	\$ 103,451.00
• TWDB Engineering Report	\$ 95,672.00
• Environmental Services:	\$ 15,000.00
• Preliminary Engineering Design	\$ 760,502.00
PHASE 1 TOTAL	\$1,100,000.00 (Council Approved on Oct. 3, 2019)

It's real.

Phase 2 – For the City's fiscal year 2021 and subsequent years, the GCWWTP increased expansion will be invoiced as follows:

• Engineering Design	\$8,145,382.00
• Bidding / Construction Administration	\$ 965,000.00
• Continuous Construction Inspection	\$ 883,040.00
• PHASE 2 TOTAL	\$9,993,422.00

Phase 3 – For the City's fiscal year 2022 and subsequent years, the WBWWTP pump station, site demolition, and force main pipeline engineering design, bidding / construction administration and continuous construction inspection will be invoiced as follows:

• Engineering Design	\$3,000,394.00
• Bidding / Construction Administration	\$ 355,000.00
• Continuous Construction Inspection	\$ 588,693.00
PHASE 3 TOTAL	\$3,944,087.00

PHASE 1 TOTAL	\$1,100,000.00 (Council Approved on Oct. 3, 2019)
PHASE 2 & 3 TOTAL	\$13,937,509.00

TOTAL ENGINEERING SERVICES:	\$15,037,509.00
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Services will be provided in accordance with the Master Service Agreement (dated December 16, 2003) executed by the City and TRC. Funding for this project is pursued through Texas Water Development Board Clean Water State Revolving Fund. Staff recommends acceptance of this engineering proposal in the amount of \$13,937,509.00 phased as detailed above and will be available to answer any questions at the Tuesday, July 7, 2020 City Council meeting.