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March 26, 2019

Mr. Tim Howe, Director of Water/Wastewater Utilities
City of Seguin
P.O. Box 591
Seguin, Texas 78156-0591

**RE: Geronimo Creek WWTP Expansion
TCEQ Permit Amendment Application Preparation/Submittal
Engineering Services Proposal**

Dear Mr. Howe:

At the request of the City of Seguin, this letter represents TRC's engineering services proposal for the above-referenced project. The scope of work will include the following:

1. Prepare the TPDES wastewater discharge permit amendment application for the plant's expansion including all maps, calculations, etc. as required in the application.
2. TRC will perform water quality modeling in Geronimo Creek and the Guadalupe River, downstream of the plant outfall structure. The purpose of the modeling will be to determine likely effluent limitations for the proposed plant that will allow numerical water quality standards for dissolved oxygen to be maintained. Modeling will be for oxygen-demanding substances (CBOD₅ and NH₃) and will not address nutrients. The plant's proposed average daily flow will be modeled. Cross-sections will be surveyed to get river bathymetry, water elevations, depths, and widths for approximately six miles downstream, which will be essential to the modeling. A maximum of thirty (30) cross-sections will be provided. Modeling results will be presented to TCEQ following the City's review and concurrence. The QUAL-TX model is used by TCEQ and inputs/results presented to them will be in that format.
3. Prior to submitting the application to TCEQ, submit the application to the City for review. Modify as required, make appropriate copies and submit to TCEQ.
4. TRC will coordinate with TCEQ personnel in evaluating the application.

The lump sum cost to provide the services described herein is as follows:

Permit Preparation/Submittal:	\$60,608
River Topographical Survey:	\$49,280
Water Quality Modeling:	\$35,662
TCEQ Permit Application Fee:	\$2,050
Total:	<hr/> \$147,600 (lump sum)

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ASSUMPTIONS:

The following assumptions were made for the preparation of this proposal, which if determined to be incorrect, may result in request(s) from TRC for additional compensation:

- The City will provide any landowner contact and acquire property right-of-entries for TRC personnel, if applicable.
- The permit application will be based on two (2) flow expansions.

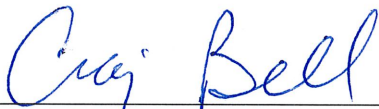
EXCLUSIONS:

The following items are specifically excluded from TRC's scope of work:

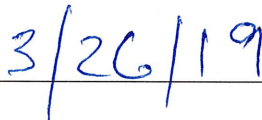
- Costs for Wastewater sampling and laboratory testing.
- Services related to response to public comments or for a contested case hearing, if applicable.

If this is acceptable, please execute below and return this letter proposal to TRC's Austin Office. The services will be provided under the Master Services Agreement executed by the City and TRC, dated December 16, 2003. The opportunity to provide this proposal is greatly appreciated. If you have any questions regarding this information, please feel free to contact this office.

Sincerely,



H. Craig Bell, P.E.
Austin Office CES Practice Leader



Date

City of Seguin

Date

