



T.B.P.E. #F-8632

505 East Huntland Drive
Suite 250
Austin, TX 78752

512.454.8716 PHONE
512.454.2433 FAX

www.TRCsolutions.com

November 17, 2016

Mr. Emery E. Gallagher, Water/Wastewater Utility Director
City of Seguin
P.O. Box 591
Seguin, Texas 78156-0591

**RE: Springs Hill WWTP
Sewer Lift Station, Force Main and Plant Abandonment
Engineering Services Proposal**

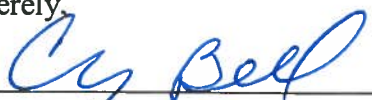
Dear Mr. Gallagher:

At the request of the City of Seguin, this letter represents TRC's engineering services proposal for the above-referenced project, which will consist of a new sewer lift station (submersible type) to accept and pump the wastewater flow generated south of the River, force main extending from the Lift Station to the Walnut Branch WWTP, discharging into the plant's headworks, and abandonment/demolition of the Springs Hill WWTP. The lift station design will consist of three pumps, with two pumps installed initially and a third pump added in the future as flow increases from development. The portion of the force main supported from the Austin Street Bridge will be oversized to handle future flows. Services include design, construction documents, and bidding/construction administration, as discussed herein. The cost to provide the engineering services, based on the attached preliminary scope of work, is as follows:

Design Services:	\$320,464
Topographical Surveying:	\$ 24,100
Environmental/Cultural:	\$ 16,972
Geotechnical:	\$ 3,850
Total:	\$365,386

The services will be provided under the Master Services Agreement executed by the City and TRC. 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

11/17/16

City of Seguin

Date

CITY OF SEGUIN
SPRINGS HILL WWTP
SEWER LIFT STATION, FORCE MAIN AND PLANT ABANDONMENT
ENGINEERING SERVICES PROPOSAL
PRELIMINARY SCOPE OF WORK
(11/17/16)

ENGINEERING SCOPE OF WORK:

1. Acquire field topographical data needed for the project design.
2. Acquire one (1) geotechnical bore and prepare report for the lift station site.
3. Provide environmental services (See attached scope).
4. Provide submittal package to TCEQ for project notification.
5. Provide submittal package to TxDOT. The River crossing assumes the force main will be attached to the River Street bridge structure.
6. Prepare construction plans/specifications for the proposed project, including all details.
7. The Springs Hill WWTP will be abandoned and demolished, consisting of concrete structure demolition to the required depth and backfill to match natural ground.
8. Assist the City in bidding process including preparation of advertisement document, pre-bid meeting, assist the City in the opening and tabulation of bids, prepare award recommendation letter and prepare construction contract documents.
9. Assist the City during construction consisting of pre-construction meeting, contractor correspondence, submittal review, pay request review, periodic site visits (maximum of six), final inspection, preparation of contractor punch list and record drawing preparation (3 sets of hard copies and one CD electronic copy).

EXCLUSIONS:

The following items are specifically excluded from the scope of work:

- Construction staking.
- Continuous construction inspection.
- Design of electrical supply to the lift station site.
- Detailed title search or title policy, attendance at or preparation for condemnation hearings, easement or Plat documents, landowner contact or easement negotiations.
- Environmental services not listed herein, including but not limited to archaeological surveys (if applicable), endangered species mitigation plans/costs (if applicable), species-specific threatened and endangered survey and clean Water Act Section 404 individual permit.

ENVIRONMENTAL SCOPE OF WORK:

TRC Environmental Corporation (TRC) proposes this Scope of Work (SOW) for the following tasks:

- Task 1. Natural Resources Services
- Task 2. Cultural Resources Services
- Task 3. USACE Section 404 Nationwide Permitting Services

Task 1: Natural Resources Services

Subtask 1.1: Delineation of Waters of the U.S.

TRC will perform a background review of existing and available data, including U.S. Geological Survey (USGS) topographic maps, U.S. Fish and Wildlife Service (USFWS) National Wetland Inventory (NWI) maps, U.S. Department of Agriculture Natural Resources Conservation Service (NRCS) Soil Surveys, Federal Emergency Management Agency (FEMA) floodplain maps, aerial photography, as well as other available planning maps and reports.

Following the background data review, TRC biologists will conduct a field survey to determine the location and extent of any potential Waters of the U.S., including wetlands, within the Project Area. TRC will conduct the field investigation for the delineation of Waters of the U.S. (WOTUS) in conjunction with the threatened and endangered (T&E) species habitat assessment (Subtask 1.2) within one week of Notice to Proceed (NTP). TRC's findings will be provided as a Waters of the U.S. Report.

Subtask 1.2: Habitat Assessment for Threatened and Endangered Species

In accordance with USACE Section 404 permitting requirements, the Endangered Species Act of 1973, and State of Texas regulations, TRC will perform a background review of existing and available data to determine the potential for protected species to occur within the Project Area. The background data review will include a search for the current listing of federal and state-listed rare, threatened, and endangered species for Guadalupe County; federally-designated Critical Habitat; the TPWD's Texas Natural Diversity Database (TXNDD); as well as other available data to assess the potential for protected species to occur within the Project Area.

Following the background data review, TRC biologists will conduct a survey, concurrent with the Waters of the U.S. delineation, for T&E species habitat, vegetation communities, and other sensitive natural resources that may be present within or adjacent to the Project Area. TRC will identify predominant vegetation communities and address their abilities to provide habitat to support T&E species. TRC's findings will be included in a T&E Habitat Assessment Report, as mentioned in Subtask 1.1.

Task 2. Cultural Resource Services

TRC will perform a desktop review to identify existing conditions and identify documented cultural resources within the area of potential effect (APE) that could potentially be impacted by the proposed Project. This data will be summarized in a letter of consultation and submitted to the THC for review.

THC Consultation

TRC will perform an archeological site file search using the THC Archeological Sites Atlas (THC Atlas) to compile current information on recorded cultural resources that are situated within a 1-mile radius of the APE. Other documents, including historic aerial photographs, USGS topographic maps, Sanborn maps, Texas General Land Office (GLO) documents, Historic Texas Overlay Database maps, and cemetery records may also be reviewed. The results of this site file search will be compiled in a letter of consultation for submission to THC. THC will review the letter of consultation and provide a response within 30 days of submission.

If THC concludes that the proposed undertaking could impact existing archeological sites or areas of high archeological potential, then they will require further investigation by a professional archeologist in the form of an archeological survey in compliance with the guidelines set forth in the Antiquities Code of Texas (Section 191.0525) and Texas Health and Safety Code (Title 1, Section 711). If appropriate, compliance with the guidelines of Section 106 of the National Historic Preservation Act (36 CFR § 800) will also be followed.

If after consultation THC determines that an archeological survey of the Project Area is required, then TRC will prepare a separate SOW and cost estimate for this service and submit to the City for approval.

Task 3: USACE Section 404 Nationwide Permit

TRC assumes construction of the force main pipeline and lift station will require authorization from the USACE – Fort Worth District under Section 404 of the Clean Water Act for impacts to jurisdictional waters of the United States. It is assumed that the construction of the outfall structure will qualify for authorization under Nationwide Permit No. 12 (Utility Line Activities) and/or another applicable Nationwide Permits.

TRC will prepare a pre-construction notification (PCN) for use of a Nationwide Permit. The PCN will include, at a minimum, a description of the project including dimensions of structures and/or excavations, amount of material placed below the OHWM, plan view and cross-section illustrations of the outfall structure, basic construction methods, erosion control measures, direct and indirect adverse environmental effects and the WOTUS Report prepared under Task 1.

USACE requires compensatory mitigation for impacts that result in the loss of Waters of the United States greater than 0.10-acre. A mitigation assessment based upon USACE – Fort Worth District's TXRAM will be used to determine whether compensatory mitigation is needed.

The USACE permit application requires assessment of the Project's potential to adversely affect federally listed species under the Endangered Species Act and cultural resources under the National Historic Preservation Act. These activities will be covered under Tasks 1 & 2 and the results will be incorporated in the USACE permit application.

ASSUMPTIONS:

TRC proposes to complete the services identified in this SOW with the following assumptions:

- It is our understanding that the objective and scope of the project will allow for the preparation of a PCN for a USACE Nationwide Permit for the WWTP outfall structure. If for any reason the project does not meet the criteria for Nationwide Permit, the preparation of an Individual Permit (IP) may be necessary to ensure compliance with USACE regulations.
- This SOW does not include detailed ESA compliance documentation for a NWP 12 PCN submittal package such as a Biological Assessment because we anticipate no impacts to Waters of the U.S or federally protected species will occur. Should additional documentation be required,
- This SOW does not include formal consultation with USFWS and/or TPWD for a NWP 12 PCN submittal package.
- This SOW does not include services for additional NEPA documentation.
- CWA Section 401 compliance will be coordinated by the USACE through the NWP process.
- This SOW does not include mitigation planning for impact to waters of the U.S. that exceed minimum thresholds stated in the general and regional conditions associated with a NWP 12.
- This SOW assumes that no more than ten (10) culturally significant properties (historic sites, National Register properties, historic markers, etc.) are located within one (1) mile of the APE.