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January 12, 2016

Mr. Doug Faseler, City Manager  
City of Seguin  
P.O. Box 591  
Seguin, Texas 78156-0591

RE: N. Heideke St. (I-10 Frontage Road to Hwy. 123 Bypass)  
Street Reconstruction Project  
Engineering Services Proposal (Rev. 1.0)

Dear Mr. Faseler:

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 street reconstruction of approximately 1,750 linear feet on North Heideke Street from the I-10 Frontage Road to Hwy. 123 Bypass. The design will incorporate drainage bar ditches on each side. Also included are six (6) easement exhibits (reference attached scope for detailed description).

The cost to provide the engineering services, based on the attached preliminary scope of work, is as follows:

Design Services:	\$43,950
Topographical Surveying:	\$6,820
Heideke Exhibits (6):	\$6,600
Environmental:	\$11,960
Geotechnical:	\$4,730
Total:	\$74,060

The opportunity to provide this proposal is greatly appreciated. The services will be provided under the Master Services Agreement executed by the City and TRC. If you have any questions regarding this information, please feel free to contact this office.

Sincerely,

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

**CITY OF SEGUIN**  
**N. HEIDEKE ST. (I-10 FRONTAGE ROAD TO HWY. 123 BYPASS)**  
**STREET RECONSTRUCTION PROJECT**  
**ENGINEERING SERVICES PROPOSAL**  
**PRELIMINARY SCOPE OF WORK**  
**(01/12/16)**

**ENGINEERING DESIGN SCOPE OF WORK:**

1. Acquire field topographical data needed for the project design.
2. Provide environmental services (See attached scope).
3. Provide geotechnical borings and report for roadway design.
4. Prepare construction plans/specifications for the proposed project, including all details.
5. Provide submittal package to TXDOT for project review/approval.
6. Assist the City in bidding process including preparation of advertisement document, assist the City in the opening and tabulation of bids, prepare award recommendation letter and prepare construction contract documents.
7. Assist the City during construction consisting of pre-construction meeting, contractor correspondence, submittal review, pay request review, periodic site visits (maximum of four), 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.
- Detailed title search or title policy.
- Attendance at or preparation for condemnation hearings.
- Plat documents, landowner contact or easement negotiations.
- Archaeological surveys (if applicable).
- Endangered species mitigation plans/costs (if applicable).
- Species-specific threatened and endangered survey.
- Clean Water Act Section 404 individual permit.
- Design services for acceleration/deceleration lanes in TxDOT right-of-way, if applicable.



- TxDOT Traffic Impact Analysis.
- Design services for existing water main replacement.
- Design services for sidewalks.

### **EASEMENT EXHIBITS SCOPE OF WORK:**

Easement exhibits shall be provided for the following areas:

1. Ten foot aerial exhibits will be prepared for Heideke Street extending from the I-10 frontage road to SH 123 Bypass.
2. Adjacent to the ten foot aerial exhibit, there will be a ten foot clear space.

Engineering costs are based on providing only one exhibit for the two items above for each easement.

### **ENVIRONMENTAL SCOPE OF WORK:**

#### **PROJECT DESCRIPTION**

The City of Seguin is proposing to make improvements to North Heideke Street between the I-10 west bound frontage road and SH 123 Bypass. The proposed project area extends along North Heideke Street for approximately 1,750 linear feet from the SH 123 Bypass intersection. The proposed project includes the reconstruction of North Heideke Street to a two-lane roadway with 12-foot wide travel lanes, realignment of the North Heideke Street approach at SH 123 Bypass and bar ditches. All proposed improvements would occur within existing right-of-way. Funding for the proposed project will be provided solely by the City of Seguin.

#### **SCOPE OF WORK**

##### **Task 1: Texas Department of Transportation Coordination**

The proposed project includes improvements within Texas Department of Transportation (TxDOT) right-of-way at the intersection of North Heideke Street and SH 123 Bypass and at the intersection of North Heideke Street and the I-10 frontage road; therefore, the project requires coordination with TxDOT. TRC will coordinate the proposed project with TxDOT – San Antonio District by completing TxDOT's Scope Development Tool and Biological Evaluation Form and submit to TxDOT. Within 30 days of submittal, TxDOT will review the Scope Development Tool and Biological Evaluation Form to assess the potential environmental impact of the proposed project and determine the need for additional technical reporting. Based on a preliminary review of current project information, TRC anticipates that no additional technical reporting for TxDOT will be necessary. Costs for additional TxDOT reporting beyond the Scope Development Tool and Biological Evaluation Form are not included in this SOW.



## **Task 2: Natural Resources Investigation**

TRC will perform an investigation of the natural resources within the proposed project area to identify existing conditions and determine the presence of sensitive natural resources that could potentially be impacted by the proposed project, including habitat for federally and state-listed threatened and endangered (T&E) species and potentially jurisdictional waters of the U.S. The natural resources investigations will consist of a background data review and field survey. Results of the investigation will be documented in TxDOT's Scope Development Tool and Biological Evaluation Form and coordinated with TxDOT. Based on a preliminary review of current project information provided by project engineers, TRC anticipates that the proposed project would not require a U.S. Army Corps of Engineers (USACE) Section 404 Permit.

## **Task 3: Cultural Resource Services**

An archeological file search using the Texas Historical Commission Archeological Sites Atlas (THC Atlas) shall be performed to compile current information on recorded cultural resources that are situated within a 1-mile radius of the area of potential effect (APE). Other documents including historic aerial photographs, topographic maps, Sanborn maps, documents from the Texas General Land Office (GLO), maps from the Historic Texas Overlay database, and cemetery records may also be reviewed. The results of this search will be compiled in a letter of consultation for submission to the Texas Historical Commission (THC) and documented in TxDOT's Scope Development Tool. The THC will have 30 days to respond to the request for consultation.

If the THC concludes that the proposed undertaking could impact existing archeological sites or areas of high archeological potential, they will require further investigation by a professional archeologist in the form of an archeological survey in compliance with the guidelines set forth in Section 106 of the National Historic Preservation Act (36 CFR § 800), the Antiquities Code of Texas (Section 191.0525), and the Texas Health and Safety Code (Title 1, Section 711). Costs for an archaeological survey are not included in this SOW.

## **ASSUMPTIONS:**

The environmental services identified in this SOW are based on current project details provided by project engineers and does not include any additional environmental services other than those described above. If the proposed project is modified from that described above, or additional services are required other than those included in this SOW, then TRC will coordinate with the City of Seguin and prepare a separate SOW and cost estimate for review and approval by the City prior to performance of any additional services. TRC proposes to complete the services identified in this SOW with the following assumptions:

- No new acquisition of right-of-way, easements, or properties will be required for the proposed project. This SOW assumes that the proposed project would occur within existing public right-of-way and/or properties owned or leased by the City of Seguin.



- The City of Seguin and project engineers will provide all necessary reports, documents, maps, drawings, etc. necessary to complete the services described in this SOW.
- This SOW assumes one (1) mobilization for the on-site survey.
- The City of Seguin will be responsible for arranging site access prior to commencement of the on-site survey.
- The proposed project will not require a USACE Section 404 permit.
- No federally or state-listed T&E species will be identified within the project area.
- No more than 20 culturally significant properties (historic sites, National Register properties, historic markers, etc.) are located within 1 mile of the APE.
- This SOW covers a prescribed level of effort through the archeological site file search and THC consultation. If after consultation THC requires additional work in the form of an archeological survey, reconnaissance, and/or monitoring, then TRC will prepare a separate SOW and cost estimate for additional services and submit to the City for review and approval.
- No additional technical reporting beyond the Scope Development Tool and Biological Evaluation Form will be required by TxDOT.

