



October 28, 2024

Walter Pishkur
City of Laredo Water Utilities Department Executive Director
5816 Daugherty
Laredo, Texas 78041

**Ref TxDOT Utility Relocations, US 59/Loop 20 (PS&E 3)
Proposal for Professional Engineering Services**

Mr. Pishkur,

As requested, we are submitting the following proposal for engineering and surveying services to develop plans, specifications, bid documents, as-built drawings, cost estimates, and construction administration for the above referenced project. The project involves relocating existing water and sewer mains along Loop 20 that will be in conflict with the proposed US 59 roadway, drainage and bridge improvements planned by the Texas Department of Transportation (TxDOT).

We understand the State intends on letting this final phase (PS&E 3) of the US 59 expansion in 2026. These water and sewer relocation plans must be developed on a fast-track schedule and finalized by early 2025 to complete reimbursement agreements, begin bidding and complete the project prior to highway letting.

The project consists of installing approximately 4,300 feet of 12" diameter water main, with associated bores, casing, fittings, valves, hydrants and appurtenances. Roughly 1,300 feet of 8" and 30" gravity sanitary sewers and 4,500 feet of 12" sewer force main must also be constructed with associated bores, casing, manholes, and related items. Many existing sewer manholes must be adjusted to new finished grade conditions. Roughly 19,000 feet of existing water and sewer mains that will be abandoned in place must be pressure grouted, except where conflicts with bridge piers require spot removal. The abandoned East Central water booster station must be demolished and disposed of with this project. All new mains will be installed within the proposed highway right-of-way at offset corridors assigned by the State.

We understand these water and sewer improvements will be publicly bid and constructed by a qualified Contractor selected by the City. Construction plans and quantities will be developed using City standards and specifications.

TxDOT will provide our office CAD files of the proposed roadway, drainage, and bridge improvements to reference into our plans ensuring that the utility relocations will not be in conflict with any proposed roadway improvements. We understand that existing soil bore information currently available with the roadway plans should be sufficient for the proposed utility relocation work and that no additional geotechnical coordination will be required through our office.

Our plans will be reviewed and approved by both the Water Utilities Department and TxDOT. We must coordinate with other utilities in the area that are also relocating their facilities via TxDOT's utility coordination team. We will prepare the TxDOT Utility Permits required for improvements installed within State right-of-way, which will be formally submitted through the City's ROW Manager.

We will provide supporting cost estimates and eligibility ratio calculations for the City's project manager to prepare and complete their Standard Utility Agreements for cost reimbursement through TxDOT. The City will provide all related easements, legal documentation and other information required by the State.

Topographic surveys will be conducted to identify existing main location and depth at proposed interconnection points within the proposed right-of-way. Access to each property will be coordinated through the City. During construction we will provide construction staking and administration and coordinate with City and TxDOT inspectors, who will provide direct construction oversight. As-built surveys will be reflected on post-construction record drawings. Related CAD and point location (csv) files will also be provided in grid coordinates for City and TxDOT records.

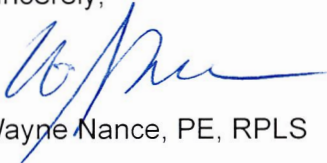
The engineering fee to develop these plans, specifications, bid documents, permits, cost estimates, construction staking and administration, and as-built drawings as described above will be as follows:

<u>Task</u>	<u>Fee</u>
Topographic Survey	\$ 55,060
TxDOT Permits, SUA assist and Utility Coordination	\$ 44,900
Plans, Specs, Bidding Docs, Estimates (60/90/100%)	\$ 452,160
Construction Staking, Coordination & Administration	\$ 116,480
As Built Plans & Close Out Documents	\$ 22,800
Total Engineering Services	\$ 691,400

Materials testing fees are not included. This proposal does not include easement surveys, environmental surveys or permits, as they are not anticipated with this project.

If you have any questions, please contact me.

Sincerely,



Wayne Nance, PE, RPLS