

INDIVIDUAL PROJECT ORDER NUMBER 001

Describing a specific agreement between Kimley-Horn and Associates, Inc. (the Consultant), and City of Seguin (the Client) in accordance with the terms of the Master Agreement for Continuing Professional Services dated January 20, 2026, which is incorporated herein by reference.

Identification of Project:

**Project Name: 24-inch SH-46 West Transmission (Upper)
KH Project Manager: Nathan Cobler
Project Number: N/A**

Specific scope of basic Services:

See Attachment A.

Additional Services if required:

See Attachment A.

Schedule:

See Attachment A

Deliverables:

See Attachment A

Terms of compensation:

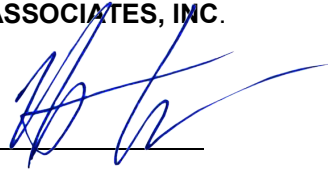
See Attachment A.

ACCEPTED:

CLIENT

KIMLEY-HORN AND ASSOCIATES, INC.

BY: _____

BY: Nathan Cobler 

TITLE: _____

TITLE: Associate

DATE: _____

DATE: 3/17/2026

February 25, 2026

Tim Howe
Director of Utilities
3027 N. Austin St.
Seguin, Texas 78155

RE: Project: 24-inch SH-46 West Transmission (Upper) – Scope and Fee Proposal

Dear Mr. Howe:

Kimley-Horn and Associates, Inc. (Kimley-Horn) is pleased to submit this scope and fee proposal for professional engineering services for the design of a 12-inch and 16-inch water main along with a 24-inch water transmission main. This scope and fee proposal includes design, bid, and construction phase services for the proposed project, and is based on the scoping meeting held on January 28, 2026 between Kimley-Horn and the City of Seguin (Seguin).

PROJECT UNDERSTANDING

It is our understanding that this project will entail full design, bid, and construction phase services for this project.

During the scoping meeting held on January 28, 2026, one alignment was identified for each the 12- and 16-inch water main and the 24-inch transmission main.

The proposed routes for each are listed below:

- The 12- and 16-inch water main connect to an existing 16-inch water main at Huber Road and Interstate-10 and travels west towards SH46 where it follows the ROW in an existing SHSUD easement where it ends at the 12-inch connection point at the Living Waters Church property.
- The 24-inch transmission main connects to an existing 24-inch transmission main at Huber Road and Interstate-10 and travels west towards SH46 where it follows the ROW in an existing SHSUD easement where it connects to a proposed elevated storage tank and Cordova Road. Adjacent to the transmission main will be a 4-inch conduit to allow for the future installation of a fiber optic line.

The selected alignments are attached as **Exhibit A**. The selected 24-inch transmission main alignment is approximately 24,000-LF and the 12- and 16-inch water main alignment is approximately 14,000-LF. Pipe design covers up to 38,000 linear feet.

Kimley-Horn will engage multiple sub-consultants to provide a variety of services for the design development phase, including survey, geotechnical engineering, and subsurface utility engineering (SUE).

BASIC SERVICES

The tasks below outline the proposed basic scope of services to be completed by Kimley-Horn for this project:

1. Project Management
 - 1.1. Prepare Monthly Summary Reports/Invoicing
 - 1.2. Sub-Contract Management
 - 1.3. Schedule Development and monthly updates – Schedule will be developed in Microsoft Project format and pdf copy will accompany the monthly invoice.
 - 1.4. Ongoing coordination and communications with Client and internal team meetings
 - 1.4.1. Includes monthly Client meetings
 - 1.5. Establish a Kimley-Horn project SharePoint site where documents will be saved and transferred to the client. This includes all design deliverables as well as to be used during the construction phase of the project.
 - 1.6. Coordination with City of Seguin
 - 1.7. Meetings
 - 1.7.1. Prepare for and conduct up to eighteen (18) monthly progress meetings with Client during the Design of this project
 - 1.7.2. Prepare meeting notes
 - 1.8. Deliverables
 - 1.8.1. Monthly schedule updates in Adobe PDF format
 - 1.8.2. Monthly Meeting minutes
2. Environmental Review
 - 2.1. Aquatic Resources Delineation
 - 2.1.1. Locate readily available documents for preliminary review of site conditions and perform a site visit to evaluate existence of aquatic resources generally following the US Army Corps of Engineering (USACE) 1987 Wetlands Delineation Manual.
 - 2.1.2. Kimley-Horn will prepare a report documenting results of the Aquatic Resource Delineation performed onsite. The report will address the applicable regulatory framework, describe the assessment methodology, limitations, and findings. The report will also include applicable maps/exhibits, site photographs, and data sheets/forms. The report will be submitted to USACE for wetland delineation verification and/or an Approved Jurisdictional Determination (AJD).
 - 2.2. Protected Species Assessment
 - 2.2.1. Kimley-Horn will perform a protected species assessment in an effort to assess potential impacts to wildlife species protected by federal laws including the Endangered Species Act (ESA), the Migratory Bird Treaty Act (MBTA), and/or the Bald and Golden Eagle Protection Act (BGEPA) enforced by the U.S. Fish and Wildlife Service (USFWS). Potential impacts to wildlife species protected by state laws enforced by the state specific wildlife department/agency will also be assessed.

2.2.2. Kimley-Horn will prepare a protected species assessment report that will include the applicable regulatory framework, describe the assessment methodology, provide limitations and findings, and provide site-specific conclusions and recommendations.

2.3. Desktop Cultural Resources Review

2.3.1. Kimley-Horn will perform a desktop cultural resource review.

2.3.1.1. Perform basic archival research including Texas Historical Commission (THC) *Texas Archeological Sites Atlas* and *Texas Historic Sites Atlas* online databases, the General Land Office (GLO), the National Park Service’s (NPS) online National Register Information System (NRIS), and/or other relevant archives for information on previous cultural resources investigations conducted in the vicinity of the project area and previously recorded archeological sites and historic properties within and in the vicinity of the project area. Desktop archival studies will examine a 1.0-mile radius surrounding the project area.

2.3.1.2. Review the abovementioned archives; historical, geological, topographic, and soil maps; and aerial photographs to evaluate the potential for encountering significant cultural resources within the project area.

2.3.1.3. Prepare a written memorandum summarizing the results of desktop research and evaluating the potential for previously unrecorded prehistoric and historic-age cultural resources, including project maps depicting the locations of known cultural resources (not for public disclosure).

2.3.2. Kimley-Horn will prepare one Phase I ESA report encompassing findings from the corridor. The Phase I ESA will be performed in general accordance with the methods outlined in the United States Environmental Protection Agency (USEPA) Standards and Practices for All Appropriate Inquiries (AAI), 40 CFR Part 312 and guidelines established by the American Society for Testing and Materials (ASTM) in the Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process/Designation E 1527-21 (ASTM Standard Practice E 1527-21). The Phase I ESA report will be valid for a period of 180 days from the start of the investigation per ASTM Standard Practice E 1527-21. The following tasks refer to only that information defined as reasonably ascertainable per ASTM E 1527-21, 3.2.72.

2.3.2.1. Records review includes aerial photograph review, review local city directories and historical maps, IC/EC registries, and an environmental database search prepared in general accordance with the minimum search databased listed in ASTM E1527-21, 8.2.2.

3. Land Acquisition Coordination

3.1. Kimley-Horn will coordinate with the Seguin Real Estate department regarding land acquisition needs. This includes:

3.1.1. Kimley-Horn will meet with the Seguin Real Estate department on a monthly basis once the alignment has been finalized and the number of easements has been determined. Kimley-Horn will attend up to twelve (12) meetings discussing progress made by Seguin and if there are additional items Kimley-Horn needs to prepare for Seguin’s use.

- 3.1.1.1. Additional items may include exhibits noting the proposed location of the water line through a property (up to 30 exhibits)
 - 3.1.1.2. Coordination with landowner to assist Seguin in explaining the project (up to 30 landowner meetings).
 - 3.1.2. Seguin to obtain Title and Title Curative for each identified parcel
 - 3.1.3. Seguin to provide Kimley-Horn property ownership information
 - 3.1.4. Seguin to mail right of entry request letters based on the property access requests developed by Kimley-Horn.
 - 3.1.4.1. Kimley-Horn to prepare an overall exhibit noting the location of the preliminary alignment with property identification data shown.
 - 3.1.5. Seguin to perform Permanent Easement/Temporary Construction Easement Acquisition based on requested developed by Kimley-Horn.
4. Permit Coordination
- 4.1. Perform ongoing coordination and communication with each permitting entity
 - 4.2. Meetings
 - 4.2.1. Prepare for and conduct coordination meetings with each of the following entities/agencies (up to twelve (12) meetings total):
 - 4.2.1.1. Texas Department of Transportation (TxDOT)
 - 4.2.1.2. City of Seguin
 - 4.2.1.3. Guadalupe County
 - 4.2.1.4. Texas Commission on Environmental Quality (TCEQ)
 - 4.2.1.5. Other impacted entities/agencies
 - 4.2.2. Prepare meeting notes
 - 4.3. Permits
 - 4.3.1. TxDOT RULIS
 - 4.3.2. Other impacted entities/agencies
5. Geotechnical Investigation
- Perform soil bores along alignment to establish representative subsurface conditions and at major trenchless crossings (major intersections, creeks, etc.). Five (5) bores to a depth of twenty-five (25) feet and Fifteen (15) bores to a depth of fifteen (15) feet deep. Sub-Consultant will complete the following tasks:
- 5.1. Geotechnical Sub-Consultant Coordination
 - 5.2. Prepare Geotechnical Bore Plan Exhibits
 - 5.3. Perform Geotechnical Borings
 - 5.4. Review Draft Boring Logs
 - 5.5. Laboratory Testing to determine physical and engineering sample characteristics.
 - 5.6. Report Development
 - 5.7. Review Draft Geotechnical Engineering Report
 - 5.8. Deliverables
 - 5.8.1. Final Geotechnical Engineering Report in Adobe PDF format

6. Subsurface Utility Engineering (SUE)

Perform Quality Level (QL) A, C and D SUE services to identify the location and depth of existing critical utilities crossing selected alignment. During the 30% Design Phase, a final number of QL-A SUE services will be determined. At this time, the Kimley-Horn is anticipating up to fifteen (15) QL-A SUE services.

Sub-Consultant will complete the following tasks:

- 6.1. Prepare a detailed SUE plan for Final Design
- 6.2. SUE and Survey Field Coordination
- 6.3. SUE QL-C and D research to determine anticipated location of existing utilities along the project alignment.
- 6.4. Review draft QL "A" SUE Test Hole Summary Sheet and individual QL "A" Exhibits
- 6.5. Deliverables
 - 6.5.1. Draft QL "A" SUE Test Hole Data Sheets in Adobe PDF format
 - 6.5.2. Final QL "A" SUE Test Hole Data Sheets in Adobe PDF format
 - 6.5.3. Signed and Sealed Test Hole Data Forms and Test Hole Summary Sheet in Adobe PDF format
 - 6.5.4. Utility file in CAD format depicting all designated and located utilities

7. Survey Services

Provide full topographic survey, for development of design drawings:

- 7.1. Survey Sub-Consultant coordination
 - 7.2. Topographic and Boundary Survey
 - 7.3. Detailed Tree Survey
 - 7.4. Obtain Geotechnical Information with Support Files
 - 7.5. Obtain SUE Information with Supporting Files
 - 7.6. Project Control Sheet
 - 7.6.1. Review Project Control Sheet 60% Design Phase
 - 7.6.2. Review Project Control Sheet 100% Design Phase
 - 7.7. Easement Strip Map
 - 7.7.1. Review Easement Strip Map 60% Design Phase
 - 7.7.2. Review Easement Strip Map 100% Design Phase
 - 7.8. Prepare one signed survey (metes/bounds and exhibit) for each easement tract. Surveys will include easement of record as determined from public records research. It is anticipated there will be up to 35 permanent and 35 temporary easements for this project. Each easement will have separate field notes and exhibits.
 - 7.9. Research to obtain ownership records for properties affected by the project limits. Research will be limited to the previous 50 years for easements.
 - 7.9.1. Prepare ownership spreadsheet and perform Right-of-Entry (ROE) coordination for site access. Seguin will send the ROE access forms to the various property owners and acquire signatures.
- ## 8. 30% Design Phase
- 8.1. Attend 30% Design Phase kickoff meeting with Seguin staff.
 - 8.2. Conduct site visit to identify any surface features that need to be considered during the design phase.

8.3. Preliminary route development

8.3.1. Kimley-Horn will conduct a routing study for the 12-inch and 16-inch water main and the 24-inch transmission main. The alignment study will focus on following SH46 and determining the route through the properties along the corridor.

8.3.1.1. Develop route exhibits based on data collected

8.3.2. Permitting and Regulatory Challenges for each alignment

8.3.3. Residential and Business Impacts

8.3.4. Easement/right-of-way requirements

8.3.5. Traffic Impacts which include road closures for transmission main installation.

8.3.6. Log Project Risks

8.3.7. Prepare conceptual Options of Probable Construction Costs (OPCC) for each alignment considered. Kimley-Horn has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Kimley-Horn at this time and represent only Kimley-Horn's judgement as a design professional familiar with the construction industry. Kimley-Horn cannot and does not guarantee that proposals, bids, or actual constructions costs will not vary from its opinion of probably costs.

8.3.8. Provide a technical memorandum summarizing the route analysis and provide recommendations for the two alignments. The memorandum will include:

8.3.8.1. Summary

8.3.8.2. Evaluation Criteria

8.3.8.3. Alignment Evaluation for each Alignment

8.3.8.4. Recommendations based upon results of evaluation criteria, stakeholder input and discussions with Seguin Staff.

8.3.9. Assumptions

8.3.9.1. Two (2) review meetings with Seguin Staff

8.3.9.2. Two (2) site visits to assess the alignments

8.3.10. Deliverable

8.3.10.1. One (1) digital copy of the report submitted in pdf format.

9. 60% Design Phase

9.1. 60% Stakeholder and Utility Provider Coordination (anticipated, but not all may be required)

9.1.1. TxDOT

9.1.2. Seguin Electric Company, Inc.

9.1.3. Texas Department of Public Safety

9.1.4. Guadalupe Valley Electric Cooperative

9.1.5. Various Utility Providers

9.2. Conduct site visits for 60% design and survey validation

9.3. Prepare Utility Layout Sheets

9.4. Prepare Utility Conflict/Coordination Matrix

9.5. Meetings

- 9.5.1. Conduct coordination meetings with impacted utilities (assume three (3) meetings total).
Kimley-Horn will prepare meeting agenda and exhibits/graphics for the discussion.
- 9.5.2. Prepare and distribute meeting notes
- 9.6. 60% Construction Drawings
 - 9.6.1. Perform Design Calculations
 - 9.6.1.1. Joint Restraint Calculations (for one (1) pipe material)
 - 9.6.1.2. Combination Air Vacuum and Air Release Valve (location) (Confirm with Seguin Modeling Consultant)
 - 9.6.1.3. Blow-off Valve (location) (Confirm with Modeling Consultant)
 - 9.6.2. Develop 60% Plan Set
 - 9.6.2.1. All plan sheets to be 11"x17"
 - 9.6.2.2. General Sheets (Cover, Project Layout, General Notes, Overall Quantities, etc.)
 - 9.6.2.3. Overall Dimensional Control Plan
 - 9.6.2.4. Survey Control Sheets
 - 9.6.2.5. Contractor access sheets (including permanent access driveways, low water crossings, etc)
 - 9.6.2.6. Plan and Profile sheets (12-inch diameter lines and greater, approximately 95 sheets)
 - 9.6.2.7. Standard Details
 - 9.6.2.8. Project Specific Details
 - 9.6.2.9. Tree Preservation Plans
- 9.7. Preparation of 60% Project Manual
 - 9.7.1. Prepare list of City and/or technical specifications for the project.
- 9.8. 60% Opinions of Probable Construction Cost
- 9.9. Perform internal QC and address QC comments.
- 9.10. Prepare and Submit 60% Design Submittal Package
- 9.11. Review one round of Seguin Comments and Provide Response to Comments
- 9.12. 60% Design Review Meeting
 - 9.12.1. Conduct 60% Design Review Meeting
 - 9.12.2. Prepare and distribute meeting notes
- 9.13. 60% Design Phase Deliverables
 - 9.13.1. 60% Design Deliverables (plans and specifications)
 - 9.13.2. Draft Geotechnical Report
 - 9.13.3. Draft Environmental Report
 - 9.13.4. Updated list of permits required for the project
 - 9.13.5. SUE Deliverables
 - 9.13.6. Updated Project Schedule
 - 9.13.7. 60% Design Review meeting notes
 - 9.13.8. 60% Opinion of Probable Construction Cost (OPCC)
- 10. 90% Design Phase
 - 10.1. 90% Stakeholder and Agency Coordination
 - 10.2. Conduct site visits as needed for 90% design

- 10.3. Updated Utility Layout Sheets
- 10.4. Update utility conflict/coordination matrix
- 10.5. Meetings
 - 10.5.1. Conduct coordination meetings with impacted utilities (assume three (3) meetings total). Kimley-Horn will prepare meeting agenda and exhibits/graphics for the discussion.
 - 10.5.2. Prepare and distribute meeting notes
- 10.6. 90% Construction Drawings
 - 10.6.1. General Sheets (Cover, Project Layout, General Notes, Overall Quantities, etc.)
 - 10.6.2. Overall Dimensional Control Plan
 - 10.6.3. Survey Control sheets
 - 10.6.4. Contractor access sheets (including permanent access driveways, low water crossings, etc)
 - 10.6.5. Easement Layout sheets
 - 10.6.6. Plan and Profile sheets (12-inch diameter lines and greater, approximately 95 sheets)
 - 10.6.7. Erosion Control Sheets
 - 10.6.8. Standard Details
 - 10.6.9. Project Specific Details
 - 10.6.10. Traffic Control Plans
 - 10.6.11. Tree Preservation Plans
- 10.7. 90% Project Manual
 - 10.7.1. Contract Documents to include language prepared by Seguin with updated general conditions for Best Value respondent.
 - 10.7.2. To include all applicable specifications approved by the City of Seguin and specific to the project, Special Provisions, and Special Conditions
- 10.8. 90% Opinions of Probable Construction Cost
- 10.9. Perform internal QC and address QC comments
- 10.10. Prepare and Submit 90% Design Submittal Package (Unsigned)
- 10.11. Review one round of Seguin Comments and Provide Response to Comments
- 10.12. 90% Unsigned Design Review Meeting
- 10.13. 90% Unsigned Design Phase Deliverables
 - 10.13.1. 90% Design Deliverables (plans and specifications) – Unsigned and Sealed
 - 10.13.2. Final Geotechnical Report
 - 10.13.3. Final Environmental Report
 - 10.13.4. Permits
 - 10.13.5. Updated Project Schedule
 - 10.13.6. 90% Design Review meeting notes
 - 10.13.7. 90% Opinion of Probable Construction Cost (OPCC)
- 11. 100% Design Phase
 - 11.1. 100% Stakeholder and Agency Coordination
 - 11.2. Conduct site visits as needed for 100% design
 - 11.3. Update Utility Layout Sheets

- 11.4. Update utility conflict/coordination matrix
- 11.5. Meetings
 - 11.5.1. Conduct coordination meetings with impacted utilities (assume three (3) meetings total). Kimley-Horn will prepare meeting agenda and exhibits/graphics for the discussion.
 - 11.5.2. Prepare and distribute meeting notes
- 11.6. 100% Construction Drawings
 - 11.6.1. General Sheets (Cover, Project Layout, General Notes, Overall Quantities, etc.)
 - 11.6.2. Overall Dimensional Control Plan
 - 11.6.3. Survey Control sheets
 - 11.6.4. Contractor access sheets (including permanent access driveways, low water crossings, etc)
 - 11.6.5. Easement Layout Sheets
 - 11.6.6. Plan and Profile sheets (12-inch diameter lines and greater, approximately 95 sheets)
 - 11.6.7. Erosion Control Sheets
 - 11.6.8. Standard Details
 - 11.6.9. Project Specific Details
 - 11.6.10. Traffic Control Plans
 - 11.6.11. Tree Preservation Plans
- 11.7. 100% Project Manual
 - 11.7.1. Contract Documents to include language prepared by Seguin with updated general conditions for Best Value respondent.
 - 11.7.2. To include all applicable specifications approved by the City of Seguin and specific to the project, Special Provisions, and Special Conditions
- 11.8. 100% Opinions of Probable Construction Cost
- 11.9. Perform internal QC and address QC comments
- 11.10. Prepare and Submit 100% Design Submittal Package (Unsigned)
- 11.11. Review one round of Seguin Comments and Provide Response to Comments
- 11.12. 100% Unsigned Design Review Meeting
- 11.13. 100% Unsigned Design Phase Deliverables
 - 11.13.1. 100% Design Deliverables (plans and specifications) – Unsigned and Sealed
 - 11.13.2. Permits
 - 11.13.3. Updated Project Schedule
 - 11.13.4. 100% Design Review meeting notes
 - 11.13.5. 100% Opinion of Probable Construction Cost (OPCC)
- 12. Procurement
 - 12.1. Final QA/QC of Construction Drawings and Project Manual
 - 12.2. Signed and sealed 100% Construction Drawings
 - 12.3. Signed and sealed 100% Project Manual
 - 12.4. Submit Final Documents for Advertisement
 - 12.5. Pre-Bid Conference
 - 12.5.1. Prepare Meeting Agenda and attend Pre-Bid Conference

- 12.5.2. Prepare meeting minutes consolidating contractor questions
- 12.5.3. Attend Site Walk
- 12.6. Prepare Addenda and Clarifications
- 12.7. Attend Proposal Opening
- 12.8. Review Contractors Proposals
 - 12.8.1. Perform Contractor References Check
 - 12.8.2. Confirm Contractor Experience
 - 12.8.3. Prepare Bid Tabulation
 - 12.8.4. Prepare Recommendation for Award
- 12.9. Prepare Conformed Contract Documents
- 13. Construction Phase Services
 - 13.1. Pre-Construction Meeting
 - 13.2. Monthly Construction Progress Meetings (Estimated 24-month construction schedule)
 - 13.3. Construction Site Visits
 - 13.3.1. Assume an average of one (1) monthly site visit throughout the construction phase
 - 13.3.2. An observation report will be prepared and provided for each site visit.
 - 13.4. Ongoing construction coordination and communications with Client
 - 13.5. Pay Estimate Reviews
 - 13.6. Shop Drawings/Submittals Reviews (up to 40)
 - 13.7. Request for Information (RFIs) (up to 30)
 - 13.8. Request for Proposals (RFPs) and Change Orders (COs) (up to 6)
 - 13.9. Substantial and Final Completion Walk-Throughs

Kimley-Horn will make site visits in accordance with proposed basic scope of work in order to observe the progress of the work. Such observations will not be exhaustive or extend to every aspect of Contractor's work. Observations will be limited to spot checking, selective measurement, and similar methods of general observation. Based on information obtained during site visits, Kimley-Horn will evaluate whether Contractor's work is generally proceeding in accordance with the Contract Documents, and Kimley-Horn will keep Seguin informed of the general progress of the work.

Additionally, Kimley-Horn will not supervise, direct, or have control over Contractor's work, nor shall Kimley-Horn have authority to stop the Work or have responsibility for the means, methods, techniques, equipment choice and usage, schedules, or procedures of construction selected by Contractor, for safety programs incident to Contractor's work, or for any failure of Contractor to comply with any laws. Kimley-Horn does not guarantee the performance of any Contractor and has no responsibility for Contractor's failure to perform its work in accordance with the Contract Documents.

- 14. Record Drawing Preparation
 - 14.1. Prepare Record Drawings from Contractor As-Builts
 - 14.2. Deliverables

- 14.2.1. One (1) portable device containing final record drawings in .pdf format
- 14.2.2. One (1) portable device with final unsealed drawings in CADD (.dwg) format
- 14.2.3. One (1) portable device with a GIS submittal of as-built infrastructure with asset IDs

SUPPLEMENTAL SERVICES

Kimley-Horn has coordinated with each Sub-Consultant and identified potential areas that may require supplemental design services to this project. The tasks below provide a brief outline of the proposed supplemental services and will only be completed upon written authorization from the Client. Kimley-Horn will coordinate development of a fee proposal with necessary Sub-Consultants and submit to the Seguin for review.

S1. Supplemental Design Services

1.1. Unspecified Engineering Design Services

- 1.1.1. This task will account for supplemental or additional service tasks that may come up during the design or construction phase

S2. Environmental Services

2.1. Cultural Resource Studies – History

- 2.1.1. Historic resource investigations for compliance with the Antiquities Code of Texas.

2.2. U.S. Army Corps of Engineering (USACE) Nationwide Permit 58 (NWP 58)

- 2.2.1. Prepare a PCN document to identify areas of encroachment of the proposed work into jurisdictional waters and wetlands, and to identify the need for mitigation measures.

S3. Geotechnical Engineering

3.1. Additional Geotechnical borings

S4. Subsurface Utility Engineering

4.1. Additional SUE services

S5. Survey

- 5.1. Additional Meets and Bounds for additional easements not anticipated in the base bid.
- 5.2. Miscellaneous survey services that may be required during the design phase

S6. Construction Phase Services

- 6.1. Construction Inspection Services (8 hours/day for construction duration)
- 6.2. Additional construction phase services

ASSUMPTIONS

The following tasks document assumptions made by Kimley-Horn for development of this scope and fee proposal:

- 1. Design schedule assumes an 18-month duration, with an additional 3 months to complete land acquisition closeout
- 2. Construction schedule assumes a 24-month duration
- 3. Construction assumes one bid package for all work and not broken into two bid packages.
- 4. Construction method will follow either open cut or jack and bore method.

5. Seguin will provide all relevant utility block maps and record drawings for Seguin owned utilities within the project area.
6. Impacts to Waters of the US will not trigger notification to the US Army Corps of Engineers (USACE). Kimley-Horn will prepare a memo to file for Seguin to maintain for official records. Upon receipt of alignment Kimley-Horn will modify alignment to determine ultimate impacts. If notification to the USACE is required, Kimley-Horn will coordinate with Seguin to complete this as a supplemental service.
7. The project will not include impacts to special aquatic sites including wetlands, and will not result in stream channelization.
8. Land Acquisition services will be based off 30% Design Phase alignment review. Additional ROEs and/or easement acquisition required due to an alignment change will be coordinated with Seguin.
9. All permit fees will be paid by Seguin.
10. Standard TxDOT Utility Installation Request permit will be required.
11. Temporary construction driveways will be on TxDOT roadways.
12. Plat and Field Note (PFN) packages: 35 permanent and 35 temporary are anticipated.

EXCLUSIONS

The following services are excluded from the basic scope of this project, but can be completed by Kimley-Horn upon execution of an additional service should Seguin request it:

- A. Hydraulic modeling for this project, including proposed transmission main and facility connections. Kimley-Horn will coordinate with Seguin's hydraulic modeling consultant to confirm design meets Seguin's requirements.
- B. Utility relocation, drainage, street reconstruction, or structural design services
- C. Channel/stream stabilization design
- D. Determination of remediation costs or mitigation measures for hazardous materials for regulatory closure. Based on the results of the proposed environmental services, recommendations may be provided for additional investigation or consulting services, as appropriate, if contaminants are discovered in soil or groundwater
- E. USACE pre-construction notification
- F. Cathodic Protection
- G. Condemnation support of the land acquisition team. Should an easement go through the condemnation process, Kimley-Horn recommends a time and materials task to support the land acquisition team for each instance.
- H. Additional round of comments to what is specified in the Basic Services and Assumptions.
- I. Milestones in addition to what is proposed for this project.
- J. Full-time Construction Inspection Services (8 hours/day for construction duration).
- K. Any other services not listed in the basic services.

SCHEDULE

Kimley-Horn estimates a total design schedule of eighteen (18) months for this project, with an additional three (3) months planned to finalize easement and land acquisition. Delays in obtaining information from neighboring jurisdictions or land acquisition closings will add to proposed schedule, and submission of final deliverables will be adjusted accordingly. Kimley-Horn will develop a detailed design schedule to include all scope of services upon execution of the task order for this assignment.

FEE AND EXPENSES

Kimley-Horn will perform the services in Tasks 1 - 14 for the total lump sum fee below. Individual task amounts are informational only. All permitting, application, and similar project fees will be paid directly by the City of Seguin.

Task 1 Project Management	\$128,000.00
Task 2 Environmental Review	\$59,400.00
Task 3 Land Acquisition Coordination	\$91,700.00
Task 4 Permit Coordination	\$59,700.00
Task 5 Geotechnical Investigation	\$90,100.00
Task 6 Subsurface Utility Engineering (SUE)	\$223,700.00
Task 7 Survey Services	\$440,400.00
Task 8 30% Design Phase	\$206,700.00
Task 9 60% Design Phase	\$637,600.00
Task 10 90% Design Phase	\$491,500.00
Task 11 100% Design Phase	\$338,000.00
Task 12 Procurement	\$53,000.00
Task 13 Construction Phase	\$340,300.00
Task 14 Record Drawings	\$41,400.00
Total Lump Sum Fee	\$3,201,500.00
Supplemental Services	
Task S1 Supplemental Engineering Design Services	\$100,000.00
Task S2 Environmental Services	\$20,000.00
Historic Resources	
NWP Preparation	
Task S3 Geotechnical Engineering Bores	\$20,000.00
Task S4 Subsurface Utility Engineering	\$20,000.00
Task S5 Survey – Meets and Bounds	\$10,000.00
Task S6 Construction – Additional Construction Services	\$30,000.00
Task S7 Construction Inspection	\$400,000.00
Total Supplemental Services	\$600,000.00
Total Lump Sum plus Supplemental Services	\$3,801,500.00

Lump sum fees will be invoiced monthly based upon the overall percentage of services performed. Payment will be due within 25 days of your receipt of the invoice and should include the invoice number and Kimley-Horn project number.

Kimley-Horn will submit monthly progress invoices to Client in accordance with terms and conditions of executed professional services contract.

Exhibit A – Project Location Map

