



September 20, 2022

Trey Job, C.P.M.
Assistant City Manager
for Community Development
1311 Chestnut Street
Bastrop, TX 78602

RE: *Quiet Zone Corridor Planning with Union Pacific Railroad (UPRR) from Carter Street to College Street*

Kimley-Horn and Associates, Inc. (the Consultant) is pleased to submit this proposal to the City of Bastrop (the Client) to provide professional services for the planning stage to establish a quiet zone for the at-grade crossings with Union Pacific Railroad (UPRR) from Carter Street to College Street in Bastrop, TX. The scope of services will consist of data collection, project management, UPRR & Federal Railroad Administration (FRA) coordination, and the preparation of a Quiet Zone Study Report documenting the requirements needed for the implementation of a quiet zone at the following at-grade crossings with UPRR: Carter Street, Wilson Street, Main Street, Pecan Street, Hill Street, Elm Street, Cedar Street, Farm Street, Chestnut Street, Pine Street, Walnut Street, and College Street.

SCOPE OF SERVICES

Task 1 – Data Collection

- A. Aerial Photography – The Consultant will collect aerial photography for the project corridor from NearMaps and/or available aerial photos from the City.
- B. Available Record Drawings and Development Plans – The Consultant will collect from the City and any available record drawings (roadway, drainage, water, sewer, etc.) within the project limits.
- C. Existing and Proposed Utility Information – The Consultant will collect from the City existing and proposed water, storm, and sewer utility information for project limits.
- D. Conduct up to one (1) site visit to observe existing conditions, review topographic features, obtain field measurements at the following at-grade railroad crossing locations:
 - 1. Carter Street and UPRR
 - 2. Wilson Street and UPRR
 - 3. Main Street and UPRR
 - 4. Pecan Street and UPRR
 - 5. Hill Street and UPRR
 - 6. Elm Street and UPRR
 - 7. Cedar Street and UPRR
 - 8. Farm Street and UPRR
 - 9. Chestnut Street and UPRR
 - 10. Pine Street and UPRR
 - 11. Walnut Street and UPRR
 - 12. College Street and UPRR
- E. Obtain existing traffic counts at the following at-grade railroad crossing locations:
 - 1. Carter Street and UPRR
 - 2. Wilson Street and UPRR
 - 3. Main Street and UPRR
 - 4. Pecan Street and UPRR
 - 5. Hill Street and UPRR
 - 6. Elm Street and UPRR
 - 7. Cedar Street and UPRR
 - 8. Farm Street and UPRR
 - 9. Chestnut Street and UPRR
 - 10. Pine Street and UPRR
 - 11. Walnut Street and UPRR
 - 12. College Street and UPRR

Task 2 – Project Management & Council Workshop

- A. Perform general project management related tasks such as routine communication with the City, quality control efforts, internal team meetings, project invoicing, and project planning efforts.
- B. Prepare for, attend, and conduct up to two (2) project meetings with the City to discuss the project.
- C. Prepare and update project schedule.
- D. Council Workshop preparation and attendance to present Quiet Zone implementation process to City Council.

Assumptions:

- A. Overall project schedule for this assumed to be eighteen (18) months.

Deliverables:

- A. Invoices
- B. Meeting Notes
- C. Project Schedule
- D. Council Workshop Presentation

Task 3 – UPRR and FRA Coordination

- A. Coordinate with UPRR and FRA regarding Notice of Intent (NOI) and Quiet Zone Guidelines. Attend and document up to two (2) meetings.
- B. Evaluate Quiet Zone Risk Index (QZRI) with new traffic data to confirm safety improvements to establish quiet zone corridor is below Risk Index with Horns (RIWH), including railroad inventory review.
- C. Attend Diagnostic Inspection Field Meeting for the project crossings with UPRR, City, and FRA. Meeting anticipated to be conducted over two (2) days.
- D. Prepare meeting notes from Diagnostic Inspection Meeting.
- E. Prepare conceptual level layouts for each crossing based on Diagnostic Meeting

Deliverables:

- A. QZRI Evaluation
- B. Diagnostic Meeting Notes
- C. Diagnostic Sketches
- D. NOI Letter with Attachments

Task 4 – Quiet Zone Study Report

The Consultant will prepare a Quiet Zone Study Report based on the Diagnostic Meeting results provided Task 3. The following items will be prepared:

- A. Executive Summary
- B. Study Area Description & Existing Conditions of project limits including field visit photos
- C. QZRI Results
- D. Improvement Recommendations as a result from Diagnostic Meeting including attachments of notes and conceptual layouts.
- E. Prepare opinion of probable construction cost (OPCC). The Consultant has no control over the cost of labor, materials, equipment, or over the Consultant'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 Consultant at this time and represent only the Consultant's judgment as a design professional familiar with the construction industry. The Consultant cannot and does

not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

- F. Address review comments provided by the City.
- G. Incorporate UPRR signal and crossing improvement cost estimates into final report.

Deliverables:

- A. Quiet Zone Study Report – Draft & Final versions

ADDITIONAL SERVICES

The following are services that the Consultant can provide at additional costs, but are not included in the scope of these projects:

- Topographic Survey & Right-of-Way Research
- Preliminary & Final Design
- Project Manual & Spec Book
- Bidding Services
- Geotechnical investigation
- Franchise Utility Coordination
- Construction Phase Services
- Permitting
- Right-of-Way or Easement Acquisition Documents
- Public Meeting Attendance or Preparation

SCHEDULE

Bastrop Quiet Zone Corridor from Carter Street to College Street - Conceptual Project Schedule (updated 9/20/2022)													
	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23
Quiet Zone Planning/Diagnostic													
City/KH Planning Study Contract Execution													
City/UPRR Preliminary Engineering Contract Agreement Execution													
Data Collection													
KH Prepare Initial Conceptual Layouts													
Diagnostic Team Meeting with City, UPRR, & FRA													
Diagnostic Meeting Minutes & Conceptual Layouts													
Diagnostic Team Review of Meeting Minutes & Conceptual Layouts													
Quiet Zone Study Report - DRAFT													
City/UPRR Review Quiet Zone Study Report													
Quiet Zone Study Report - FINAL													

FEE AND EXPENSES

The scope of work described in this agreement can be completed for the lump sum price of **\$69,800**, summarized by task in the following table. Individual task amounts are informational only. All permitting, application, and similar project fees will be paid directly by the City.

Task Name	Amount
Task 1 – Data Collection	\$17,800
Task 2 – Project Management & Council Workshop	\$10,500
Task 3 – UPRR and FRA Coordination	\$28,700
Task 4 – Quiet Zone Study Report	\$12,800
Total Lump Sum Fee	\$69,800

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.

We appreciate the opportunity to provide these services to you. Please contact us if you have any questions.

Sincerely,

KIMLEY-HORN AND ASSOCIATES, INC.
TBPE Firm #928



By: Nolan Pierce, P.E.
Project Manager



Scott R. Arnold, P.E.
Vice President