

WORK AUTHORIZATION NO. 1
PROJECT: SOUTHEAST RIVER ROAD AT MORRISON CREEK

This Work Authorization is made pursuant to the terms and conditions of the Caldwell County Contract for Engineering Services, being dated _____, 2025 and entered into by and between Caldwell County, Texas, a political subdivision of the State of Texas, (the "County") and Garver, LLC (the "Engineer").

Part 1. The Engineer will provide the following Engineering Services set forth in Attachment "B" of this Work Authorization.

Part 2. The maximum amount payable for services under this Work Authorization without modification is \$ 353,436.80.

Part 3. Payment to the Engineer for the services established under this Work Authorization shall be made in accordance with the Contract.

Part 4. This Work Authorization shall become effective on the date of final acceptance and full execution of the parties hereto and shall terminate on September 30, 2026. The Engineering Services set forth in Attachment "B" of this Work Authorization shall be fully completed on or before said date unless extended by a Supplemental Work Authorization.

Part 5. This Work Authorization does not waive the parties' responsibilities and obligations provided under the Contract.

Part 6. County believes it has sufficient funds currently available and authorized for expenditure to finance the costs of this Work Authorization. Engineer understands and agrees that County's payment of amounts under this Work Authorization is contingent on the County receiving appropriations or other expenditure authority sufficient to allow the County, in the exercise of reasonable administrative discretion, to continue to make payments under this Contract. It is further understood and agreed by Engineer that County shall have the right to terminate this Contract at the end of any County fiscal year if the governing body of County does not appropriate sufficient funds as determined by County's budget for the fiscal year in question. County may effect such termination by giving written notice of termination to Engineer.

Part 7. This Work Authorization is hereby accepted and acknowledged below.

ENGINEER:

Garver, LLC

By: _____

Signature



Wendy Travis, AICP

Printed Name

Vice President

Title



Date

COUNTY:

Caldwell County, Texas

By: _____

Signature

Printed Name

Title

Date

LIST OF ATTACHMENTS

Attachment A - Services to be Provided by County

Attachment B - Services to be Provided by Engineer

Attachment C - Work Schedule

Attachment D - Fee Schedule

APPROVED
By Maria Castanon at 3:42 pm, Nov 02, 2025

ATTACHMENT A
SERVICES TO BE PROVIDED BY THE COUNTY
FOR SOUTHEAST RIVER ROAD AT MORRISON CREEK (SCHEMATIC)

In general, Caldwell County and its representatives to their best efforts will render services as follows:

1. Name, business address and phone number of County's project manager.
2. Assistance to the Engineer, as necessary, with obtaining data and information from other local, regional, State and Federal agencies required for this project.
3. Obtain Rights of Entry from landowners that are unwilling to grant access to the Engineer.
4. Provide available appropriate County data on file, plans and specifications that are deemed pertinent to the completion of the work required by the scope of services (including previous hydraulic studies, models, previous reports and studies, available existing traffic counts, and design year traffic projections).
5. Provide available criteria and full information as to the client's requirements for the project. Provide examples of acceptable format for the required deliverables.
6. Provide information on any meetings/discussions held with adjoining property owners that may impact the project.
7. Provide timely reviews and decisions necessary for the Engineer to maintain the project work schedule. Review recommendations offered by the Engineer, progress of work, and final acceptance of all documents.
8. Submittal of documentation and permits to regulatory agencies for review and comment, when specified.
9. Provide public outreach and project development efforts with stakeholders, coordinate meetings and interface with stakeholders, as needed.
10. Provide a summary of prior communications with impacted landowners, related to this project.
11. Post and maintain project information for public consumption on the County website.
12. Assist with Coordination between the Engineer and the County's other Consultants.

13. Negotiate with all utility companies for any agreements and/or relocations required.
14. Provide an agent as necessary to secure proposed ROW/easements and relocate/remove improvements on proposed ROW.
15. Review Engineer's progress, submittals, and plan changes.

ATTACHMENT B
SERVICES TO BE PROVIDED BY THE ENGINEER
FOR SOUTHEAST RIVER ROAD AT MORRISON CREEK (SCHEMATIC)

PROJECT DESCRIPTION

Project Type & Limits

Schematic Design Services – Bridge replacement at the low water crossing on Southeast River Road and Morrison Creek; Limits of the project will be from approximately 500 ft north of the crossing to 1000 ft south of the crossing.

Existing Facility

The existing Southeast River Road consists of two 10 ft lanes with no shoulders and approximately 40 ft of ROW. The existing pavement type is asphalt pavement with a concrete bridge structure at the low water crossing.

Proposed Facility

The proposed Southeast River Road will be elevated to raise the existing roadway to construct a bridge over the Morrison Creek. The roadway will also be widened to two 12 ft lanes with shoulders to improve safety.

Design Criteria

The proposed design criteria for the project will be developed from TxDOT design criteria manuals in association with Caldwell County Development Ordinances for Roadway and Drainage.

1. PROJECT MANAGEMENT

- a. Shall designate one Licensed Professional Engineer (Texas) to be responsible for the project management, and all communications with the County and its representatives.
- b. MONTHLY PROGRESS REPORTS, INVOICES, AND BILLINGS (10 months assumed):
 - Submit monthly progress status reports to the GEC. Progress reports will include: deliverable table, tasks completed, tasks/objectives that are planned for the upcoming periods, lists or descriptions of items or decisions needed from the County and its representatives. Subconsultant progress will be incorporated into the monthly progress report. A copy of the monthly progress report will be uploaded to the County's ProjectWise System.
 - Prepare correspondence, invoices, and progress reports on a monthly basis in accordance with current County requirements.

c. QUALITY ASSURANCE AND QUALITY CONTROL (QA/QC) PLAN:

- Prepare a project specific QA/QC plan and submit to the GEC within thirty (30) days of notice to proceed.
- For each deliverable, provide evidence of their internal review and mark-up of that deliverable as preparation for submittal and in accordance with submitted project specific QA/QC plan.
- Provide continuous QA/QC throughout the duration of the scheduled services included herein to appraise both technical and business performance and provide direction for project activities.

d. PROJECT COORDINATION & ADMINISTRATION:

- Prepare and maintain routine project record keeping including records of meetings and minutes.
- Correspondence and coordination will be handled through & with the concurrence of the GEC.
- Manage Project activities (including documenting emails, phone and conference calls, maintain project files for the length of the project, meeting agendas, meeting minutes, and schedule meetings), direct Engineer's team/staff, coordinate and review sub-consultant work, correspond with the County and its representatives, and assist the County and its representatives in preparing responses to Project-related inquiries.
- The Engineer shall utilize the County's document control system, ProjectWise, to assure the appropriate control of documentation and reporting. The Engineer shall maintain and upload complete and accurate records of design documents in County's File System, ProjectWise. This library will contain all pertinent Project documentation and will include, but is not limited to, copies of the following:
 - Agreements
 - Permits
 - Reports
 - Design Submittals
 - Correspondence
 - Exhibits
 - Native Files
 - Meetings Minutes
 - Agendas
- All contract documents, including native files, shall be turned over to the County at each milestone and at the completion of the project or as requested. Documents shall be posted to the County's ProjectWise document control system.

e. PROGRESS/COORDINATION MEETINGS (18 bi-weekly virtual meetings assumed):

- Attend a kickoff meeting with the County and its representatives and stakeholders, as necessary to communicate development of the project and design issues.
- Attend a bi-weekly meeting and coordination/progress meeting with the County and GEC, as necessary to communicate development of the project and design issues. Updates shall include activities completed, upcoming action items, activities required by next meeting, issues encountered, information or items required from other agencies/consultants, late activities, solutions for unresolved and/or anticipated problems with resolution timeframes, and any outstanding items needed to complete required deliverables.
- Prepare agenda and sign-in sheets for external coordination/progress meetings.
- Prepare meeting minutes for review via email within three (3) business days of the external coordination/progress meeting.
- Conduct internal coordination meetings as required to advance the development of the project.

f. PROJECT SCHEDULE:

- Baseline Schedule – Submit a CPM Baseline Schedule in calendar day (CD) format to the GEC for approval, using Microsoft Project in both pdf and native formats within 14 calendar days of the Work Authorization execution. This schedule should detail all work activities, including those by the County affecting the critical path. It shall outline the execution strategy, critical path, milestones, deliverables, and for each activity, its predecessors, successors, start and end dates, and float. Changes to schedule activities, durations, and dates require County consent, except for adjustments due to approved supplements or County-sanctioned project duration changes.
- Progress Schedule – Submit an updated Progress Schedule with each significant milestone and/or deliverable identified by the County, detailing actual work completion percentages, and incorporating all approved supplements. If the schedule deviates from the baseline, a recovery schedule approved by the County is required.

g. DELIVERABLES:

- Monthly Invoices and Progress Reports
- Project Specific QA/QC Plan

- QA/QC Documentation with Deliverables
- Project Files
- Meeting Minutes, Sign-In Sheets, and Agendas
- Baseline and Progress Schedules

2. ROUTE AND DESIGN STUDIES

a. DATA COLLECTION:

- Perform record research and obtaining existing information, including but not limited to: as-built plans, construction plans, right of way maps, existing planimetric maps, environmental reports, studies, future land use maps, existing channel and drainage easement data, floodplain data, floodplain, bridge inspection records, existing utilities, geotechnical reports, and drainage models and analyses. Obtain construction plans for projects within and adjoining the project limits and abutting TxDOT and County Roads. Obtain drainage studies, reports, and mapping for the project area, including reports for developments affecting the drainage area.
- Conduct a field investigation of the proposed roadway alignment and the surrounding area to determine field conditions including photographic record of notable existing features. Pavement condition assessment and pavement cores and testing is not included in this scope of services.
- Develop and maintain adjacent property ownership information (including owner's name, tenant name for leased property, mailing address, property address, property id number) spreadsheet to be used for disseminating project information.
- Review aerial photography and contours. Aerial photography and contours will be the basis for developing all constraints maps and route options.
- Review the data collected and organize the information.

b. DESIGN CRITERIA:

- Submit a Design Summary Report (DSR) per TxDOT Roadway Design Manual and typical sections.

c. CONSTRAINTS MAP (1 preliminary horizontal alignments assumed):

- Develop evaluation criteria to assist in evaluating route alignment alternatives.

- Develop a constraints map and technical memorandum that includes environmental concerns, known constraints (structures, floodplain, karst features), aerial photography, contour information, utility information, based on research of public databases and sources and details screening measures and decision practices for eliminating non-viable corridors.
- Develop preliminary alignments and preliminary costs for use in soliciting input during coordination meetings with stakeholders.
- Refine preliminary alignment based on stakeholder input, design criteria, existing structures, potential displacements, right of way limits and requirements, known developments, FEMA floodplain areas, existing and proposed drainage structures, and environmental constraints.

d. DELIVERABLES:

- Results of Records Research
- Property Owner Spreadsheets
- Design Summary Report and Proposed Typical Sections
- Draft Constraints Map with Preliminary Alignments, and right-of-way; and cost estimates and Technical Memorandum
- Final Constraints Map with Refined Alignment, and right-of-way; and cost estimate and Technical Memorandum Recommendation

3. PUBLIC INVOLVEMENT SUPPORT

a. STAKEHOLDER COORDINATION SUPPORT (1 meeting assumed):

- Support GEC in coordination with affected local agencies, County's consultants, and affected property owners.
- Prepare overall exhibits, and maps of the project limits for stakeholder coordination meetings.

b. PROPERTY OWNER MEETING SUPPORT (1 meeting assumed):

- Prepare overall exhibits, and maps of the project limits for property owner meetings.
- Provide property owner exhibits identifying Parent tract (including area), Right-of-way acquisition (including parcel acquisition and remainder areas), and proposed improvements adjacent to the property as needed.
- One (1) person will attend meetings as requested to provide project technical support.

- c. PUBLIC MEETING/OPEN HOUSE SUPPORT (1 public meeting assumed):
 - Provide project engineer to attend public open house meeting to provide technical support.
 - d. DELIVERABLES:
 - Stakeholder Meeting Exhibits and Maps in pdf format
 - Property Owner Meeting Exhibits and Maps in pdf format.
4. RIGHT OF WAY (ROW) SUPPORT
- a. ROW MAP:
 - Research and compile deed/plat records, including subdivision plats and existing easements, and build a working map from recorded data.
 - Calculate approximate search data to recover right of way monumentation and make initial pass to recover right of way monumentation.
 - Draft preliminary right of way map and list of impacted tracts.
 - b. PARCEL ACQUISITION DOCUMENTS (6 parcel documents assumed, (6) staking assumed):
 - Upon approval of final schematic, prepare a right of way strip map.
 - Prepare draft parcel sketches and field note documents for right of way parcel and easement acquisition. Note any improvements requiring removal or relocation on parcel sketches.
 - Set appropriate monumentation in accordance with County requirements. Prepare signed and sealed documents for right of way parcel and easement acquisition.
 - c. ROW STAKING (6) parcels assumed):
 - Stake proposed right of way with suitable markers as requested on a parcel-by-parcel basis for the purposes of fence construction, utility installation, or property owner requests.
 - d. DELIVERABLES:
 - Preliminary ROW Map and affected property owner list (drawing file, pdf)
 - Final ROW Map and affected property owner list (drawing file, pdf)
 - Draft Parcel Acquisition Documents (pdf)
 - Final Parcel Acquisition Documents (pdf)

5. SURVEYING

a. RIGHT OF ENTRY (6) letters assumed):

- Upon receiving approval from GEC, prepare and mail right of entry letters per the County's standard for the project team including geotechnical and environmental. Send a second follow up letter to non-responsive property owners.

b. FIELD SURVEYING:

- Survey the corridor area at approximately 50 foot intervals on for a width of 50 foot right and left of either side of the proposed roadway centerline and for 100' upstream and downstream of the creek from overbank to overbank at the existing drainage structure, including identify existing landowners, deed recordation information, locate visible improvements and utilities including driveways, water wells, storage tanks, drainage structures (size, material, flowline elevations), edge of pavement/shoulder, physical centerline, guardrail, fences, signs, mailboxes, trees 12" inch diameter (Not to exceed 250) and greater, locate property boundaries sufficient to re-establish ROW.
- Perform 3 supplemental cross sections as directed by the engineer upstream and downstream for a total of 6 cross sections.
- Establish horizontal and vertical control and set temporary benchmarks.

c. DELIVERABLES:

- Certified Mail Right of Entry Letters, Follow Up Letters, and Executed Right of Entry Documents.
- Mapping in 2-D and 3-D MicroStation Files (Surface)
- Pdf of Surveyor Project Notebook
- DTM of Proposed Corridor

6. SCHEMATIC DEVELOPMENT

a. SCHEMATIC:

- Prepare preliminary schematic submittal per Caldwell County submittal requirements and selected design criteria including proposed cross sections, typical sections, roadway centerline, proposed drainage structures, direction of flow and number of travel lanes, intersecting streets, property boundaries and information, ROW and easement

locations, preliminary pavement section, driveway locations, horizontal alignment data, profile data, identification of known utilities, retaining walls, and bridge locations.

- Prepare final schematic submittal per Caldwell County submittal requirements and selected design criteria.

b. DELIVERABLES:

- Preliminary Schematic Submittal including cost estimate per submittal requirements.
- Final Schematic Submittal including cost estimate per submittal requirements.
- Bridge line work will be shown on the schematic roll plot; separate 11x17 preliminary bridge layout sheets will not be provided. Bridge layout sheets will be included in the final design phase (separate WA). Bridge cost estimates will be based on parametric data (cost per square foot). Detailed cost estimates will be under separate WA.
- A Bridge Type, Size, and Location (TSL) memo will be prepared comparing viable bridge alternatives, including:
 - Option meeting the County's preferred drainage criteria
 - Option meeting TxDOT's applicable route-specific criteria
 - An alternative that may not fully meet design criteria but balances available funds with proposed improvements

7. DRAINAGE STUDY

a. HYDROLOGIC/HYDRAULIC MODELING (1 major channel crossings, 0 cross drainage structures assumed):

- Modify existing models from the Caldwell County Flood Protection Plan (Morrison Creek) and FEMA (San Marcos River) to define the drainage infrastructure required for the project. Detail the methodologies employed and recommendations. The analysis will include: preparation of a preliminary design of the right of way drainage system, cross drainage structures, right-of-way drainage, major channel crossings to reflect the existing and proposed conditions, recommended minimum pavement elevations based on cross drainage flood elevations, right of way requirements, identify potential needs for FEMA Coordination. HEC-RAS shall be utilized for all stream modeling. HY-8 will be utilized for all culverts. Atlas 14 impacts will be reviewed and incorporated.
- Assume a maximum of 2 vertical profile alternatives.

- Develop existing channel cross sections based on data collection.
 - Exhibits and analysis will be prepared in the GIS environment to the extent practical.
- b. FEMA COORDINATION:
- Coordinate with Local Floodplain Administrator as necessary throughout the project.
- c. IMPACT AND MITIGATION ANALYSIS:
- Prepare an impact analysis to determine increases in peak flow rates for the 100-year storm including: existing and proposed peak flow rates, mitigation analysis, conceptual detention basin layouts, design of control structures, routing of storm hydrographs through basins, calculate the volume of fill to be placed in the 100-year floodplain, and recommend locations for compensatory storage.
- d. DELIVERABLES:
- Preliminary & Final Drainage Report.

8. ENVIRONMENTAL SERVICES

- a. COUNTY DUE DILIGENCE:
- b. The Consultant should conduct the investigations and prepare the technical reports, per the Caldwell County Environmental Protocol, for environmental compliance and summarize the results of those studies in the due diligence report. Technical reports shall be included as appendices to the due diligence report..
- DATA COLLECTION & FIELD RECONNAISSANCE:
- Obtain and provide up to 1 update to publicly available information including but not limited to: locations of public buildings (schools, churches, parks, emergency responders), aerial photography, National Wetland Inventory Maps, County Soil Survey Maps, TCEQ & EPA Hazardous Materials Database Information, FEMA Floodplain Information, vegetation information, and environmental information from the appropriate local, State, or Federal agencies, including for state and federally-listed species, and Edwards Aquifer Information.
 - Conduct a regulatory records review to identify listed hazardous waste generators, treatment, storage and disposal facilities; solid waste landfills, unauthorized sites; documented spills; oil and gas exploration and production sites; and underground storage tank sites within the proposed site location. The review will also identify any other environmental risks along the project corridor.

- Conduct field reconnaissance to visually inspect the project site for additional risks and field verify any environmental risks identified by the regulatory records review.

c. COUNTY DUE DILIGENCE DELIVERABLES:

- Draft & Final Environmental Due Diligence Report
- Draft & Final Cultural and Historic Resources Survey and/or Background Review
- Draft & Final Jurisdictional Waters Determination/Delineation
- Draft & Final Threatened and Endangered (T&E) Species Assessment
- Draft & Final Phase I Environmental Site Assessment

9. DELIVERABLES

a. DOCUMENTS:

- All contract documents, including hard copies and electronic files, shall be turned over to the County at each milestone and at the completion of the project. Documents shall be posted to the County's project management database as requested.

10. EXCLUSIONS

a. The following items of work are not included in this work authorization scope of work. If it is determined that the following services are needed, a supplemental work authorization would be required.

- The County and its GEC representatives will coordinate utility relocations and obtain SUE information.
- Design services for final design (PS&E) and construction phase will be under a separate Work Authorization.
- Geotechnical investigations.
- Traffic counts.
- Preparation of separate 11x17 preliminary bridge layouts.
- Preparation of 3D bridge models.
- Development of corridor aesthetics.
- Conditional Letter of Map Revision (CLOMR) and Letter of Map Revision (LOMR). If required, CLOMR and LOMR tasks will be under a separate Work Authorization.

- Preparation and/or coordination of a PCN or Individual Permit
- Performance of T&E Presence/Absence Surveys.
- Stormwater Pollution Prevention Plan (SW3P). This is anticipated to be included in separate WA for PS&E services.

Exhibit D - Rate Schedule

Caldwell County SE River Road at Morrison Creek

FEE SUMMARY

| | Title I Service | Estimated Fees |
|------------|------------------------------------|-----------------------|
| Hourly NTE | Task 1: Project Management | \$ 69,297.40 |
| Hourly NTE | Task 2: Route and Design Studies | \$ 19,570.00 |
| Hourly NTE | Task 3: Public Involvement Support | \$ 7,160.00 |
| Hourly NTE | Task 4: Right-of-Way Support | \$ 18,062.00 |
| Hourly NTE | Task 5: Surveying | \$ 33,265.00 |
| Hourly NTE | Task 6: Schematic Development | \$ 50,318.00 |
| Hourly NTE | Task 7: Drainage Study | \$ 93,050.00 |
| Hourly NTE | Task 8: Environmental Services | \$ 62,714.40 |
| | Total All Services | \$ 353,436.80 |

Exhibit D - Rate Schedule

Garver, LLC

Caldwell County
SE River Road at Morrison Creek

SCHEMATIC DESIGN

| WORK TASK DESCRIPTION | Project Director | Project Manager | Senior Project Engineer | Project Engineer | Engineer 3 | Engineer 2 | Engineer 1 | Design Technician 2 | Admin 2 |
|---|------------------|-----------------|-------------------------|------------------|------------|------------|------------|---------------------|-----------|
| | \$422.00 | \$320.00 | \$261.00 | \$214.00 | \$183.00 | \$164.00 | \$140.00 | \$144.00 | \$103.00 |
| | hr | hr | hr | hr | hr | hr | hr | hr | hr |
| 1. PROJECT MANAGEMENT | | | | | | | | | |
| 1.b Monthly Progress Reports, Invoices, and Billings (10 months assumed) | | | | | | | | | |
| Monthly Progress Reports | 2 | 10 | | | | | | | 5 |
| Monthly Invoices | | 10 | | | | | | | 5 |
| 1.c QA/QC Plan | | | | | | | | | |
| Internal QA/QC at Each Deliverable (Draft and Final SCH) | | 2 | 10 | 8 | 4 | | | | |
| 1.d-e Project Administration & Progress Meetings | | | | | | | | | |
| Manage project activities and correspondence | 2 | 8 | | | | | | | 8 |
| Kickoff and Progress Meetings with County and Representatives | | 1 | | 2 | | | 2 | | 1 |
| Attend progress meetings with GEC (assume 18 meetings) | | 18 | | 9 | | | 9 | | |
| Prepare Agenda, Sign-in Sheets, and Minutes | | | | 8 | | | | | 4 |
| 1.f Project Schedule and Deliverables | | | | | | | | | |
| Develop and Maintain a Project Schedule | | 1 | | 2 | | | 4 | | |
| Maintain Project Deliverables Table | | | | | | | 2 | | |
| Subtotal - PROJECT MANAGEMENT | 4 | 50 | 10 | 29 | 4 | 0 | 17 | 0 | 23 |
| 2. ROUTE AND DESIGN STUDIES | | | | | | | | | |
| 2.b Data Collection | | | | | | | | | |
| Gather record information | | | | 2 | | | 4 | 8 | |
| Conduct field investigation / site visit | | 5 | | 5 | | 5 | | | |
| Develop and maintain property owner information | | | | | | 2 | 4 | | |
| 2.c Design Criteria | | | | | | | | | |
| Develop Design Summary Report (DSR) | | 1 | | 2 | | 4 | | | |
| 2.d Constraints Map | | | | | | | | | |
| Develop evaluation criteria and constraints map | | | | 1 | 2 | | | 4 | |
| Develop preliminary alignment/layout and costs improvements | | 1 | | 2 | 4 | 12 | 8 | 20 | |
| | | 1 | | 6 | | | | 10 | |
| Subtotal - ROUTE AND DESIGN STUDIES | 0 | 8 | 0 | 18 | 6 | 23 | 16 | 42 | 0 |
| 3. PUBLIC INVOLVEMENT SUPPORT | | | | | | | | | |
| 3.a-c Public Involvement Support | | | | | | | | | |
| Stakeholder Coordination General Support | | | | 6 | | | | | 2 |
| Prepare overall project exhibits for Stakeholder Meeting | | | | 2 | | 4 | | 8 | |
| Prepare exhibits for one individual stakeholder / property owner meeting | | | | 2 | | 2 | | 6 | |
| Attend one property owner meeting to provide technical support | | 2 | | 1 | | | | | |
| Attend one Open House / Public meeting to provide technical support | | 3 | | | | | | | |
| Subtotal - PUBLIC INVOLVEMENT SUPPORT | 0 | 5 | 0 | 11 | 0 | 6 | 0 | 14 | 2 |
| 4. RIGHT OF WAY SUPPORT | | | | | | | | | |
| See Garver ROW support fee schedule | | | | | | | | | |
| 5. SURVEYING | | | | | | | | | |
| See Garver Surveying support fee schedule | | | | | | | | | |
| 6. SCHEMATIC DEVELOPMENT | | | | | | | | | |
| 6.a Schematic Development | | | | | | | | | |
| Evaluate Bridge Alternative No. 1: Meet County Drainage Criteria | | | | 2 | 4 | 5 | 4 | | |
| Evaluate Bridge Alternative No. 2: Meet TxDOT Drainage Criteria | | | | 2 | 4 | 5 | 4 | | |
| Evaluate Bridge Alternative No. 3: Meets Available Funding | | | | 2 | 4 | 5 | 4 | | |
| Prepare Preliminary Estimate Of Construction Costs | | | | 2 | | 4 | 8 | | |
| Prepare Bridge Layout (for Schematic Roll Plot) | | | 4 | 7 | 10 | 13 | 19 | 13 | |
| Prepare Bridge Type, Size, and Location Memo | | | 3 | 10 | 13 | | | | |
| Prepare Draft Schematic Layout | | 1 | | 6 | | 12 | 30 | 20 | |
| Prepare 3D model in ORD and proposed cross sections | | | | 4 | | 20 | | 8 | |
| Prepare Final Schematic | | 1 | | 4 | 8 | | 16 | 16 | |
| Prepare Preliminary and Final Cost Estimate (OPCC) | | | | | | 2 | 4 | 1 | |
| Subtotal - SCHEMATIC DEVELOPMENT | 0 | 2 | 7 | 39 | 43 | 66 | 89 | 58 | 0 |
| 7. DRAINAGE STUDY | | | | | | | | | |
| See subconsultant (EDGE) fee schedule | | | | | | | | | |
| 8. ENVIRONMENTAL SERVICES | | | | | | | | | |
| See Environmental fee schedule | | | | | | | | | |

| | | | | | | | | | |
|--|-------------------|---------------------|-------------------|--------------------|-------------------|--------------------|--------------------|--------------------|-------------------|
| Hours | 4 | 65 | 17 | 97 | 53 | 95 | 122 | 114 | 25 |
| Salary Costs | \$1,688.00 | \$20,800.00 | \$4,437.00 | \$20,758.00 | \$9,699.00 | \$15,580.00 | \$17,080.00 | \$16,416.00 | \$2,575.00 |
| SUBTOTAL - SALARIES: | | \$109,033.00 | | | | | | | |
| DIRECT NON-LABOR EXPENSES | | | | | | | | | |
| Document Printing/Reproduction/Assembly | | \$0.00 | | | | | | | |
| ERIS Radius Report | | \$400.00 | | | | | | | |
| Travel Costs | | \$350.00 | | | | | | | |
| SUBTOTAL - DIRECT NON-LABOR EXPENSES: | | \$750.00 | | | | | | | |
| SUBTOTAL: | | \$109,783.00 | | | | | | | |
| SUBCONSULTANTS FEE: | | \$30,889.40 | | | | | | | |
| (HICKS & Co.) THC Coordination, SOW, permit, survey, and report for Archeological Resources and expenses | | | | | | | | | |
| TOTAL FEE: | | \$140,672.40 | | | | | | | |

Exhibit D - Rate Schedule

Garver, LLC

**Caldwell County
SE River Road at Morrison Creek**

SURVEYING / ROW

| WORK TASK DESCRIPTION | Survey Sr. Project Manager | Survey Project Manager | Survey Project Coordinator | 2-Man Crew (Survey) | Admin 3 |
|--------------------------------------|-------------------------------|---------------------------|-------------------------------|------------------------|----------|
| | \$236.00 | \$207.00 | \$158.00 | \$243.00 | \$134.00 |
| | hr | hr | hr | hr | hr |
| Project Management | | | | | |
| Administration and Coordination | 4 | | | | 2 |
| Quality Control Review | 8 | 3 | | | |
| Submittals to Client | 6 | | | | 4 |
| | | | | | |
| Subtotal - Project Management | 18 | 3 | 0 | 0 | 6 |
| 4. Task 4 ROW Support | | | | | |
| ROW map | | 6 | 25 | | |
| Parcel acquisition docs | | | 42 | 11 | |
| ROW staking | | 2 | 3 | 11 | |
| | | | | | |
| Subtotal - Task 4 ROW Support | 0 | 8 | 70 | 22 | 0 |
| 5. Task 5 – Surveying | | | | | |
| Right of Entry | | 1 | 3 | | 3 |
| Field surveys | | | 40 | 84 | |
| | | | | | |
| | | | | | |
| Subtotal - Task 5 – Surveying | 0 | 1 | 43 | 84 | 3 |

| | | | | | |
|---------------------|-------------------|-------------------|--------------------|--------------------|-------------------|
| Hours | 18 | 12 | 113 | 106 | 9 |
| Salary Costs | \$4,248.00 | \$2,484.00 | \$17,854.00 | \$25,758.00 | \$1,206.00 |

SUBTOTAL - SALARIES: \$51,550.00

DIRECT NON-LABOR EXPENSES

| | |
|---|------------|
| Document Printing/Reproduction/Assembly | \$0.00 |
| Postage/Freight/Courier | \$150.00 |
| Office Supplies/Equipment | \$0.00 |
| Survey Supplies | \$500.00 |
| Aerial Photography | \$0.00 |
| GPS Equipment (\$64/hr) x 75 hrs | \$4,800.00 |
| Locator/Tracer/Thermal Imager Equipment | \$0.00 |
| Travel Costs | \$0.00 |

SUBTOTAL - DIRECT NON-LABOR EXPENSES: \$5,450.00

SUBTOTAL: \$57,000.00

SUBCONSULTANTS FEE: \$0.00

TOTAL FEE: \$57,000.00

Exhibit D - Rate Schedule

EDGE Engineering, PLLC

**Caldwell County
SE River Road at Morrison Creek**

DRAINAGE STUDY

| WORK TASK DESCRIPTION | Project Manager | Senior QC Reviewer | Project Engineer | Design Engineer | Engineer-in-Training |
|---|-----------------|--------------------|------------------|-----------------|----------------------|
| | \$300.00 | \$290.00 | \$200.00 | \$165.00 | \$125.00 |
| | hr | hr | hr | hr | hr |
| 7. Drainage | | | | | |
| a.1) Hydrologic Modeling (1 Crossing, San Marcos River Diversion & Morrison Creek) | | | | | |
| Prepare existing HEC-HMS model | 2 | 2 | 6 | 12 | 40 |
| Prepare proposed HEC-HMS model | 1 | 2 | 6 | 8 | 24 |
| Prepare GIS exhibits of hydrologic data | | | 2 | 8 | 16 |
| a.2) Hydraulic Modeling | | | | | |
| Creek) | 4 | 2 | 4 | 10 | 32 |
| Prepare proposed HEC-RAS models (1 crossing, 3 vertical alternatives) | 3 | 2 | 12 | 24 | 48 |
| Prepare GIS exhibits of floodplain extents | | | 2 | 8 | 16 |
| Parallel Drainage (Open ditch) | 2 | 2 | 4 | 10 | 20 |
| b) FEMA Coordination | | | | | |
| Coordinate with Local FPA | 2 | | | | |
| c) Impact and Mitigation Analysis | | | | | |
| Prepare impact analysis for 100-yr storm | 2 | | 8 | 16 | 24 |
| Perform mitigation analysis | 2 | | 8 | 24 | 36 |
| Calculate 100-yr floodplain fill volume and storage recommendation | | | 2 | 6 | 12 |
| d) Deliverables | | | | | |
| Prepare Preliminary Drainage Report | 4 | 2 | 8 | 20 | 30 |
| Prepare Final Drainage Report | 2 | 2 | 4 | 8 | 16 |
| QA/QC | | | 12 | | |
| Subtotal Drainage | 24 | 26 | 66 | 154 | 314 |

SUBTOTAL - LABOR: \$92,600.00

DIRECT NON-LABOR EXPENSES

FEMA FIS/Model Request \$300.00
Travel Costs \$150.00

SUBTOTAL - DIRECT NON-LABOR EXPENSES: \$450.00

SUBTOTAL: \$93,050.00

SUBCONSULTANTS FEE: \$0.00

TOTAL FEE: \$93,050.00

Exhibit D - Rate Schedule

Garver, LLC

**Caldwell County
SE River Road at Morrison Creek**

Environmental Services

| WORK TASK DESCRIPTION | Environmental Specialist 4 | Environmental Specialist 2 | Environmental Specialist 2 |
|--|----------------------------|----------------------------|----------------------------|
| | \$210.00 | \$145.00 | \$145.00 |
| | hr | hr | hr |
| 8. Environmental Services | | | |
| 8.a County Due Diligence | | | |
| Draft Environmental Due Diligence Report | 4 | 16 | 40 |
| Final Environmental Due Diligence Report | 2 | 4 | 6 |
| 8.b Data Collection & Field Reconnaissance | | | |
| Coordination meetings and coordination | 4 | 2 | 2 |
| Site Visit (2 people, 1 trip) | | 8 | 8 |
| 8.c Hazardous Materials - Initial Site Assessment | | | |
| Regulatory Records Review | | | 2 |
| Draft Hazardous Materials ISA Report | 2 | 8 | 16 |
| Final Hazardous Materials ISA Report | | 2 | 4 |
| 8.d Section 404 Clean Water Act Compliance | | | |
| Draft Water Features Delineation Report | 2 | 16 | 24 |
| Final Water Features Delineation Report | | 2 | 4 |
| 8.e Endangered Species Act Compliance | | | |
| Draft Endangered Species Letter | 2 | 4 | 12 |
| Final Endangered Species Letter | | 1 | 4 |
| 8.f Historical Sites Compliance | | | |
| Draft THC Coordination Letter for Historic Resources | 2 | | |
| Final THC Coordination Letter for Historic Resources | | | |
| 8.g Texas Antiquities Code (TAC) Compliance | | | |
| Resources | 2 | | |
| Final THC Report | | | |
| Subtotal - Environmental Services | 20 | 63 | 122 |

Hours 20 63 122

SUBTOTAL - SALARIES: **\$31,025.00**

DIRECT NON-LABOR EXPENSES

Document Printing/Reproduction/Assembly \$0.00
 ERIS Radius Report \$400.00
 Office Supplies/Equipment \$100.00
 Travel Costs \$300.00

SUBTOTAL - DIRECT NON-LABOR EXPENSES: **\$800.00**

SUBTOTAL: **\$31,825.00**

SUBCONSULTANTS FEE:

\$30,889.40

(HICKS & Co.) THC Coordination, SOW, permit, survey, and report for Archeological Resources and expenses

TOTAL FEE: **\$62,714.40**