

EXHIBIT C

WORK AUTHORIZATION

WORK AUTHORIZATION NO. 1

PROJECT: Schultz Lane

This Work Authorization is made pursuant to the terms and conditions of the Williamson County Contract for Engineering Services, being dated April 16, 2025 and entered into by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and The Estes Group, 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 \$292,972.94.

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 July 31, 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.

Continued next page

EXECUTED this _____.

ENGINEER:

The Estes Group, LLC

By: Kristina N. Estes

Signature

Kristina N. Estes

Printed Name

Chief Executive Officer

Title

COUNTY:

Williamson County, Texas

By: _____

Signature

Printed Name

Title

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 Christen Eschberger at 2:45 pm, Jul 15, 2025

ATTACHMENT A

SERVICES TO BE PROVIDED BY THE COUNTY

FOR SCHULTZ LANE

In general, Williamson 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 including 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. Support project development efforts with stakeholders, coordinate meetings and interface with stakeholders, as needed.*
- 10. Post and maintain project information for public consumption on the County website.*
- 11. Assist with Coordination between the Engineer and the County's other consultants.*
- 12. Negotiate with all utility companies for any agreements and/or relocations required.*

- 13. Provide an agent as necessary to secure proposed ROW and relocate/remove improvements on proposed ROW.*
- 14. Provide construction observation and review contractor pay applications and progress.*
- 15. Provide Engineer with Contractor submittals, Requests for Information (RFI's), shop drawings, and correspondence.*
- 16. Review Engineer progress, submittals, and plan changes.*

ATTACHMENT B

SERVICES TO BE PROVIDED BY THE ENGINEER FOR SCHULTZ LANE

PROJECT DESCRIPTION

Project Limits

The proposed project limits are from Louis Henna Blvd on the north end to New Meister Lane on the south end for a distance of approximately 0.28 miles.

Existing Facility

The existing Schultz Lane is a 20' wide uncurbed 2 lane asphalt road with no shoulders. Drainage is conveyed through roadside ditches and culverts on both sides of the existing road. The existing ROW is generally 60' wide between Meister Lane and New Meister Lane and 70' wide between Louis Henna Blvd and Meister Lane.

Proposed Facility

The proposed project will widen Schultz Lane to a two lane road with a center turn lane between Meister and New Meister Lanes, and widen Schultz Lane at the approach to Louis Henna to provide a striped median to accommodate truck turning movements. The engineer will determine the additional ROW needed to accommodate the widening and drainage facilities.

Design Criteria

The proposed design criteria for the project will be developed from TxDOT and Williamson County design criteria. It is anticipated that in most cases the most stringent of the design criteria will be used.

1. PROJECT MANAGEMENT

a. COMMUNICATION:

- Engineer 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 ([6] 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 ProjectWise.
- 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 County within thirty (30) days of notice to proceed.
- For each deliverable submittal, 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.

e. PROGRESS/COORDINATION MEETINGS ([9] external meetings assumed):

- Attend a kickoff meeting and coordination/progress meeting with the County and its representatives and stakeholders, as necessary to communicate development of the project and design issues.
- 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. (9 internal meetings)

f. PROJECT DESIGN SCHEDULE:

- Baseline Schedule - Submit a CPM Baseline Schedule in calendar day (CD) format to the County for approval, using P6 Primavera or 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. PROJECT DOCUMENTS/FILES:

- 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 project management database.

h. DELIVERABLES:

- Monthly Invoices and Progress Reports including Deliverable Table
- Project Specific QA/QC Plan
- Meeting Minutes, Sign-In Sheets, and Agendas
- Project Schedule and Updates
- Project Files
- QA/QC Documentation with Deliverable
- Project Baseline Schedule and Progress Schedule with Milestone Deliverables

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, traffic data, environmental reports, studies, future land use maps, floodplain data, floodplain, geotechnical reports, pavement design reports, and drainage models and analyses. Obtain construction plans for projects within 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.
- 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 provided by Williamson County. County provided aerial photography, and contours will be the basis for developing geometric design.
- Obtain available existing traffic counts. Obtain traffic projections from the County and evaluate if the projections need adjusting.

- Review the data collected and organize the information.
- b. DESIGN CRITERIA:
- Submit a Design Summary Form (DSF) and typical sections in accordance with the latest version of Williamson County Design Criteria Manual.
- c. DELIVERABLES:
- Results of Records Research of Existing Information to ProjectWise.
 - Property Owner Spreadsheet and Updates
 - Design Summary Form and typical sections (pdf and hardcopies)
3. PUBLIC INVOLVEMENT (OMIT)
4. UTILITY COORDINATION SUPPORT
- As this is a Road Bond Project, direct coordination with utilities will be conducted through the County's existing utility coordination contract with Cobb Fendley and Associates. The Engineer will provide support as described below:*
- a. INCORPORATE UTILITY INFORMATION INTO ENGINEERING DRAWINGS
- Incorporate utility information provided by others into design files.
 - Add utility notes to plans and exhibits as necessary.
 - Consider/incorporate utility work into traffic control phasing plans as necessary.
- b. UTILITY MEETINGS
- Meet with utility coordinator and review utility impacts and potential relocations to identify appropriate approach to reducing/mitigating impacts [up to 2 meetings].
 - Attend meetings with utilities as requested [up to 2 meetings]
- c. DELIVERABLES:
- Utility information incorporated into plans and design files.
 - Reviews of utility relocation plans.

5. RIGHT OF WAY (ROW) AND MAPPING (OMIT)

6. CONDEMNATION SUPPORT (OMIT)

7. SURVEYING

a. RIGHT OF ENTRY (OMIT)

b. FIELD SURVEYING:

- Survey the corridor area at approximately 100-foot sections 30-feet on either side of the proposed roadway centerline to the existing ROW plus an additional 75' into the warehouse properties between Meister Ln and New Meister Ln 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 and greater, locate property boundaries sufficient to re-establish ROW.
- Establish horizontal and vertical control and set temporary benchmarks.

c. DELIVERABLES:

- Right of Entry Letters, Follow Up Letters, and Executed Right of Entry Documents.
- Mapping in 2-D and 3-D MicroStation Files (Grid or Datum)
- PDF of each Surveyor Project Notebook
- DTM of Proposed Corridor

8. DRAINAGE STUDY

a. HYDROLOGIC/HYDRAULIC MODELING ([0] major channel crossings, [4] cross drainage structures assumed):

- Prepare hydrologic and hydraulic models or modify existing models (FEMA, drainage districts, river authorities, cities, etc.) if available, 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, , recommended minimum pavement elevations based on cross drainage flood elevations, right of way requirements, identify potential needs for FEMA Coordination. HY-8 will be utilized for all culverts. Atlas 14 impacts will be reviewed and incorporated.

1. Includes analysis of existing storm sewer system through Center 45 Townhomes to determine sufficient capacity.

- Develop existing channel cross sections based on data collection.
- Exhibits and analysis will be prepared in the GIS environment to the extent practical.

b. 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

c. DELIVERABLES:

- Preliminary & Final Drainage Memo.

9. ENVIRONMENTAL SERVICES

a. COUNTY DUE DILIGENCE:

- The Environmental Services will include studies and documentation required, per the Williamson County Environmental Protocol, for the various regulating authorities, including the Texas Historical Commission (THC), U.S. Army Corp of Engineers (USACE), U.S. Fish and Wildlife Service (USFWS), Williamson County Conservation Foundation (WCCF), and TCEQ. The intention of the Environmental Services is to attain necessary clearance letters and approvals in order to proceed with the proposed project.

b. DATA COLLECTION & FIELD RECONNAISSANCE:

- Obtain and update periodically publicly available information including but not limited to: locations of public buildings (schools, churches, parks), aerial photography, National Wetland Inventory maps, County Soil Survey maps, TCEQ & EPA Hazardous Materials Database information, FEMA floodplain information, vegetation information, environmental information from the appropriate local, state, or federal agencies, including for state and federally-listed species, 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 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. HAZARDOUS MATERIALS INITIAL SITE ASSESSMENT:

- Prepare a Hazardous Materials Initial Site Assessment (ISA) based on the data collection and field reconnaissance conducted and identify potential hazardous material sites that may be impacted by the proposed project.

d. SECTION 404 CLEAN WATER ACT COMPLIANCE:

- Conduct a site visit that will delineate wetland boundaries and ordinary high-water marks of jurisdictional waters within the project ROW. It is anticipated that this project will be covered under a Nationwide Permit (NWP 14) without a pre-construction notification (PCN).
- Prepare a Jurisdictional Waters Delineation Report identifying: specific impacts of the project on the Waters of the U.S., measures to minimize the impacts will be identified, and discuss applicable Section 404 options in accordance with current permits and conditions based on data collection and field reconnaissance.
- If it is determined, after the Jurisdictional Waters Delineation Report, that a PCN is required; a supplemental work authorization would be required. The Jurisdictional Waters Delineation Report and NWP with PCN are subject to the U.S. Army Corps of Engineers Forth Worth District review and issuance of a permit.

e. HISTORICAL SITE COMPLIANCE:

- Prepare a historic building survey that will follow the Secretary of the Interior's Standards and guidelines for Archeology and Historic Preservation and document historic buildings and structures within the Area of Potential Effect based on data collection and field reconnaissance.

f. TEXAS ANTIQUITIES CODE (TAC) COMPLIANCE:

- Prepare a Project Initiation Letter, Texas Antiquities Permit Application, and Associated Scope of Work based on data collection and field reconnaissance.
- Conduct a pedestrian survey and report of sufficient intensity to determine the nature, extent, and potential significance of any cultural resources located within the Area of Potential Effect in accordance with full report guidelines as outlined by the Texas Historical Commissions Rules of Practice and Procedures.
- Coordination with Texas Historical Commission including submittals to Texas Historical Commission and project records to the appropriate curation facility per Texas Historical Commission requirements.

g. DELIVERABLES:

- Draft & Final Environmental Due Diligence Report
- Draft & Final Regulatory Records Review
- Draft & Final Hazardous Materials Initial Site Assessment (ISA) Report
- Draft & Final Wetlands Determination/Jurisdictional Waters Determination
- Draft & Final Historic Building Survey
- Draft & Final Texas Antiquities Permit Application Associated Scope of Work and Report
- Provide Final Acceptance Correspondence of Approval of Permits

10. GEOTECHNICAL SERVICES (OMIT)

11. PLAN PREPARATION

- a. Plans shall be prepared per **Wilco & TxDOT** criteria including applicable submittal requirements per PS&E Development Plan Submittal Checklist including: cost estimate, checklists, hardcopies, CAD files, comment responses, design waivers/exceptions, general notes, quantities, updated design schedule, construction time determination.
- b. DESIGN CRITERIA & CONCEPTUAL LAYOUT (Pre-30% Submittal):
 - Prepare a Design Summary Form (DSF).
 - Prepare a conceptual layout of the showing the proposed project limits, typical sections, ROW, edge of pavement, sidewalk/SUP, bridge limits, existing utilities, and preliminary drainage (pipe, ditch, & pond locations).

c. General:

The Engineer shall prepare:

- Title sheet
- Index of Sheets – Identify each sheet location in the plan set and its corresponding sheet number. The index of sheets shall be updated throughout the submittal process
- Project Layout – identify the project area and limits of work
- Existing Typical Sections – typical section shall depict the existing conditions of the project road based of survey and Geotech information
- Proposed Typical Sections – typical sections shall depict the proposed lane configurations and proposed pavement structure, as recommended by the geotechnical investigation.
- Typical Details – typical details showing pavement structure, end conditions, pavement transitions, etc.
- General notes – prepare general notes using the most current version of Williamson County’s general notes
- Summary of Quantities – tabulate all project quantities

d. TRAFFIC CONTROL:

- **Advance Warning Layout** – layout shall reference standard details, as appropriate.
- **TCP Typical Sections** – typical sections shall depict work zone limits and proposed traffic configuration through the construction zone.
- **Sequences of Construction Narrative** – narrative description of construction sequences shall be developed for each construction phase.
- **Phase Layouts** – Assumed 2 phases (phase 1 temp widening, phase 2 proposed improvements) Limits of each phase to be shown on 50 scale layouts (3 sheets each phase)

- Detour Plans – 1 detour assumed for truck traffic
- **Standard Details**, as appropriate. Standards that require modifications will be revised and sealed by the engineer. Williamson County standards and TxDOT standards will be utilized as applicable.

e. ROADWAY:

- **Removal Plan** – removal sheets shall clearly indicate pavement and other pertinent items to be removed at 50 scale (3 Sheets)
- **Survey Control** – sheets shall clearly indicate the benchmark locations and associated control information. These sheets shall be sealed by a RPLS;
- **Horizontal Alignment Data** – sheets shall depict the horizontal coordinate geometry information for Shultz Lane, Meister Lane, and New Meister Lane alignments
- **Superelevation Table** – OMIT
- **Plan and Profile sheets** – sheets shall be developed for Schultz Lane at 509 scale (3 Sheets)
- **Intersection Details** – OMIT
- **Driveway Plan and Profile** – 1 driveway to warehouse development
- **Miscellaneous Roadway Details**
- **Standard Details**, as appropriate. Standards that require modifications will be revised and sealed by the engineer. Williamson County standards and TxDOT standards will be utilized as applicable.
- **Cross Sections** - created at 50' Sections and at cross drainage structures.

f. RETAINING WALL: OMIT

g. DRAINAGE:

- Prepare hydraulic calculations for the design of drainage structures on the project and inclusion in the plans, based on NOAA Atlas 14 precipitation data.
- Develop drainage area maps delineating drainage area boundaries based on USGS topographic maps, local contour maps, and/or field survey data.
- Design and detail drainage outfalls, culverts, roadside ditches, minimum side slopes, and erosion and sedimentation control.
- Provide documentation along with supporting calculations justifying that the project is exempt from the on-site detention requirements stated in the Williamson County Design Criteria Manual.
- Standard Details, as appropriate. Standards that require modifications will be revised and sealed by the engineer. Williamson County standards and TxDOT standards will be utilized as applicable.

h. UTILITY LAYOUTS:

- Incorporate utility information provided by others into design files.
- Add utility notes to plans and exhibits as necessary.
- Consider/incorporate utility work into traffic control phasing plans and necessary.
- Insert utility layouts provided by others into plans

i. SIGNING, MARKINGS, & SIGNALIZATION:

- Signing and Pavement Marking Layout – the Engineer shall detail permanent signing, pavement markings, and channelization devices in accordance with the proposed typical section. Pavement markings shall be selected from the latest TxMUTCD standards. Drawings will be prepared at 50 scale (3 Sheets)
- Summary of Small Signs – Utilities Standard TxDOT sheets
- Non-standard Sign Details – TxDOT standards will be utilized wherever possible

- Standard Details, as appropriate. Standards that require modifications will be revised and sealed by the engineer. Williamson County standards and TxDOT standards will be utilized as applicable.

j. ENVIRONMENTAL:

- SW3P Layouts – Sheets will be provide locations and types of erosion control measures along project limits.
- Standard Details, as appropriate. Standards that require modifications will be revised and sealed by the engineer. Williamson County standards and TxDOT standards will be utilized as applicable.

k. MISCELLANEOUS:

- Construction Cost Estimate
- Construction Timeline Determination – The Engineer shall develop a construction schedule to appropriate incentives and disincentives for incorporation in the construction documents

l. DELIVERABLES:

- Pre-30% Submittal: DSF, Typical Sections, and Conceptual Layout
- 30% PS&E Submittal: per 30% Plan Submittal Checklist
- 60% PS&E Submittal: per 60% Plan Submittal Checklist
- 100% PS&E Submittal; per 100%/Final Plan Submittal Checklist
- Final PS&E Submittal; see 100%/Final Plan Submittal Checklist
- Draft & Final Drainage Memo and Drainage Models

12. BIDDING PHASE SERVICES

a. BIDDING PHASE SERVICES:

- Prepare all applicable construction documents for bidding including final signed and sealed plans with any joint bid utility plans incorporated; final general notes, specification list, special specifications and signed & sealed cover for project construction manual. Final construction time determination which also includes any joint bid utilities.
- Attend the pre-bid meeting. Respond to bidder's questions during the bid period. Prepare project addenda during bid period. Analyze contractor bids, prepare bid tabulation, and make recommendation for award to the apparent low bidder.

b. DELIVERABLES:

- Signed and sealed final bid documents
- Addenda as necessary
- Bid analysis and recommendation for award

13. EXCLUSIONS

- a. Construction Phase Services
- b. TxDOT NEPA Documentation
- c. Nationwide Permit (NWP) 14 with a Pre-Construction Notification (PCN)
- d. Endangered Species Act Compliance
- e. Constraints Map
- f. Traffic Signal Design

Page 1 of 1

**Attachment D
FEE SCHEDULE**

**FOR
THE ESTES GROUP, LLC**

**SCHULTZ LANE
(Planning and Design)**

For services described in the Scope of Services, we request the compensation as detailed below. Cost breakdowns for engineering services and explanation of expenses are shown on the following pages.

SPECIFIED RATE AMOUNT

\$292,972.94

Attachment D
Fee Schedule

Description of Work or Task	Cost / Task Totals
<u>Schultz Lane</u>	
The Estes Group, LLC (TEG)	
Task 1: Project Management	\$15,800.00
Task 2: Route & Design Studies	\$4,760.00
Task 3: Public Involvement (Omit)	\$0.00
Task 4: Utility Coordination Support	\$0.00
Task 5: Right of Way (ROW) and Mapping (OMIT)	\$0.00
Task 6: Condemnation Support (OMIT)	\$0.00
Task 7: Surveying	\$0.00
Task 8: Drainage Study	\$21,450.00
Task 9: Environmental Services	\$0.00
Task 10: Geotechnical Services (OMIT)	\$0.00
Task 11: Plan Preparation	\$170,760.00
Task 12: Bidding Phase Services	\$24,300.00
Direct Expenses	\$808.50
TEG FEE SCHEDULE SUMMARY	\$237,878.50
HDR Engineering, Inc. (HDR)	
Task 1: Project Management	\$4,092.00
Task 9: Environmental Services	\$25,853.00
Direct Expenses	\$705.00
HDR FEE SCHEDULE SUMMARY	\$30,650.00
McGray and McGray Land Surveyors, Inc. (McGray)	
Task 5: Right of Way (ROW) and Mapping (OMIT)	\$0.00
Task 7: Surveying	\$24,048.44
Direct Expenses	\$396.00
MCGRAY FEE SCHEDULE SUMMARY	\$24,444.44
SCHULTZ LANE SUBTOTAL	\$292,972.94
TOTAL FEE	\$292,972.94

Summary of Manhours by Classification
The Estes Group, LLC (TEG)
ATTACHMENT D

Description of Work or Task	Project Principal \$350.00/Hr	Project Manager \$330.00/Hr	Engineer (Senior) \$300.00/Hr	Engineer (Project) \$240.00/Hr	Engineer (Design) \$190.00/Hr	EIT \$140.00/Hr	Sr. Engr Technician \$190.00/Hr	Admin / Clerical \$110.00/Hr	Staff-Hr. Totals	Staff Cost / Task Totals
<u>Schultz Lane</u>										
Task 1: Project Management										
a. Communication									0	\$0.00
b. Monthly Progress Reports Invoices, and Billings		3						3	6	\$1,320.00
c. QA/QC Plan	1		1	1					3	\$890.00
d. Project Coordination & Administration		12		2				3	17	\$4,770.00
e. Progress / Coordination Meetings		9		9		9			27	\$6,390.00
f. Project Design Schedule		1	4		2				7	\$1,910.00
g. Project Documents / Files					2	1			3	\$520.00
h. Deliverables									0	\$0.00
Project Management Subtotal	1	25	5	12	4	10	0	6	63	\$15,800.00
Task 2: Route & Design Studies										
a. Data Collection			6		8				14	\$3,320.00
b. Design Criteria			1		6				7	\$1,440.00
c. Deliverables									0	\$0.00
Route & Design Studies Subtotal	0	0	7	0	14	0	0	0	21	\$4,760.00
Task 3: Public Involvement (Omit)										
Public Involvement (Omit) Subtotal	0	0	0	0	0	0	0	0	0	\$0.00
Task 4: Utility Coordination Support										
Utility Coordination Support Subtotal	0	0	0	0	0	0	0	0	0	\$0.00
Task 5: Right of Way (ROW) and Mapping (OMIT)										
Right of Way (ROW) and Mapping (OMIT) Subtotal	0	0	0	0	0	0	0	0	0	\$0.00
Task 6: Condemnation Support (OMIT)										
Condemnation Support (OMIT) Subtotal	0	0	0	0	0	0	0	0	0	\$0.00
Task 7: Surveying										
Surveying Subtotal	0	0	0	0	0	0	0	0	0	\$0.00

Summary of Manhours by Classification
The Estes Group, LLC (TEG)
ATTACHMENT D

Description of Work or Task	Project Principal \$350.00/Hr	Project Manager \$330.00/Hr	Engineer (Senior) \$300.00/Hr	Engineer (Project) \$240.00/Hr	Engineer (Design) \$190.00/Hr	EIT \$140.00/Hr	Sr. Engr Technician \$190.00/Hr	Admin / Clerical \$110.00/Hr	Staff-Hr. Totals	Staff Cost / Task Totals
Task 8: Drainage Study										
a. Hydrologic / Hydraulic Modeling		1	2	8	16	16	16		59	\$11,170.00
b. FEMA Coordination (OMIT)									0	\$0.00
c. Impact and Mitigation Analysis		1	1	4	8	8	8		30	\$5,750.00
d. Deliverables		1	2	4	8	8			23	\$4,530.00
Drainage Study Subtotal	0	3	5	16	32	32	24	0	112	\$21,450.00
Task 9: Environmental Services										
Environmental Services Subtotal	0	0	0	0	0	0	0	0	0	\$0.00
Task 10: Geotechnical Services (OMIT)										
Geotechnical Services (OMIT) Subtotal	0	0	0	0	0	0	0	0	0	\$0.00
Task 11: Plan Preparation										
a. Wilco & TxDOT Criteria									0	\$0.00
b. Conceptual Layout									0	\$0.00
Design Summary Form		1		2	4	8			15	\$2,690.00
Conceptual Layout		2	4	8	16	40	40		110	\$20,020.00
c. General									0	\$0.00
Title sheet		1		2	4	4	4		15	\$2,890.00
Index of Sheets		1		2		4	8		15	\$2,890.00
Project Layout		1		2		4	8		15	\$2,890.00
Existing Typical Sections				1		4	8		13	\$2,320.00
Proposed Typical Sections				1		4	8		13	\$2,320.00
Typical Details		1		1		4	4		10	\$1,890.00
General Notes		1	1	2	2	4	4		14	\$2,810.00
Summary of Quantities				2	4	4	4		14	\$2,560.00
d. Traffic Control									0	\$0.00
Advance Warning Layout		1		2	4	4	4		15	\$2,890.00
TCP Typical Sections		1		2	4	8	8		23	\$4,210.00
Sequences of Construction Narrative		1	2	4		4	4		15	\$3,210.00
Phase Layouts		1	2	4	8	30	30		75	\$13,310.00
Detour Plans				1	2	4	4		11	\$1,940.00
Standard Details		1		2		1	1		5	\$1,140.00

Summary of Manhours by Classification
The Estes Group, LLC (TEG)
ATTACHMENT D

Description of Work or Task	Project Principal \$350.00/Hr	Project Manager \$330.00/Hr	Engineer (Senior) \$300.00/Hr	Engineer (Project) \$240.00/Hr	Engineer (Design) \$190.00/Hr	EIT \$140.00/Hr	Sr. Engr Technician \$190.00/Hr	Admin / Clerical \$110.00/Hr	Staff-Hr. Totals	Staff Cost / Task Totals
e. Roadway									0	\$0.00
Removal Plan				2	4	16	16		38	\$6,520.00
Survey Control									0	\$0.00
Horizontal Alignment Data				1		4	4		9	\$1,560.00
Superelevation Table OMIT									0	\$0.00
Plan and Profile Sheets		1		2	4	16	16		39	\$6,850.00
Intersection Details (OMIT)									0	\$0.00
Driveway Plan and Profile					1	4	4		9	\$1,510.00
Miscellaneous Roadway Details		1	2	2	4	4	4		17	\$3,490.00
Standard Details		1		2		1	1		5	\$1,140.00
Cross sections		1	2	4	16	48	48		119	\$20,770.00
f. Retaining Wall Omit									0	\$0.00
g. Drainage									0	\$0.00
Hydraulic Calculations		1		2	4	8			15	\$2,690.00
Drainage Area Maps		1		2	4	16	16		39	\$6,850.00
Design and Drainage Details		1		2	4	16	16		39	\$6,850.00
Detention Documentation		1	1	4	4	8			18	\$3,470.00
Standard Details		1		2		1	1		5	\$1,140.00
h. Utility Layouts									0	\$0.00
Incorporate Utility Information				1		4	4		9	\$1,560.00
Utility Notes		1		1		4	4		10	\$1,890.00
Insert Utility Layouts						4	4		8	\$1,320.00
i. Signing, Marking, & Signalization									0	\$0.00
Signing and Pavement Marking Layouts		1		2	2	16	16		37	\$6,470.00
Summary of Small Signs		1		1	2	4	4		12	\$2,270.00
Non-Standard Sign Details				1	1	4	4		10	\$1,750.00
Standard Details		1		2		1	1		5	\$1,140.00
j. Environmental									0	\$0.00
SW3P Layouts		1		1	4	12	12		30	\$5,290.00
Standard Details		1		2		1	1		5	\$1,140.00
k. Miscellaneous									0	\$0.00
Construction Cost Estimate		3	3	6	6	12	12		42	\$8,430.00
Construction Timeline Determination		4	4		8	8	8		32	\$6,680.00
									0	\$0.00
									0	\$0.00
									0	\$0.00
Plan Preparation Subtotal	0	35	21	80	116	343	335	0	930	\$170,760.00

Summary of Manhours by Classification
The Estes Group, LLC (TEG)
ATTACHMENT D

Description of Work or Task	Project Principal \$350.00/Hr	Project Manager \$330.00/Hr	Engineer (Senior) \$300.00/Hr	Engineer (Project) \$240.00/Hr	Engineer (Design) \$190.00/Hr	EIT \$140.00/Hr	Sr. Engr Technician \$190.00/Hr	Admin / Clerical \$110.00/Hr	Staff-Hr. Totals	Staff Cost / Task Totals
Task 12: Bidding Phase Services										
a. Bidding Phase Services									0	\$0.00
Specification list		1	2	4	4	4	4		19	\$3,970.00
Project Construction Manual	1	2	2	4	4				13	\$3,330.00
Bid Form	1	2	2	4	4				13	\$3,330.00
Pre Bid Meeting		2							2	\$660.00
Respond to Bidder	1	4	4	8	8				25	\$6,310.00
Project Addenda (1 assumed)		1	2	4	8				15	\$3,410.00
Analyze and prepare bid tabulation		1	2	2	4	8			17	\$3,290.00
									0	\$0.00
Bidding Phase Services Subtotal	3	13	14	26	32	12	4	0	104	\$24,300.00
<i>Schultz Lane Subtotal</i>										<i>\$237,070.00</i>
TEG SUMMARY	4	76	52	134	198	397	363	6	1230	\$237,070.00

Summary of Direct Expenses
The Estes Group, LLC (TEG)
ATTACHMENT D

Item Description	Unit	Quantity	Unit Cost	Total Cost
Direct Expenses				
I. Mileage	mile	480	\$0.700	\$336.00
II. Photocopies P/W (11"X17)	each	1,400	\$0.25	\$350.00
III. Photocopies color (11"X17)	each	50	\$1.25	\$62.50
IV. Overnight shipping / Courier	each	3	\$20.00	\$60.00
TEG Direct Expenses				\$808.50

Summary of Manhours by Classification
HDR Engineering, Inc. (HDR)
ATTACHMENT D

Description of Work or Task	Senior Drainage Advisor \$302.00/Hr	Project Engineer \$205.00/Hr	Design Engineer (5-10 yrs) \$185.00/Hr	EIT I \$130.00/Hr	CADD Technician \$130.00/Hr	Senior Env Project Manager \$343.00/Hr	Senior Env Project Planner \$266.00/Hr	Env Scientist Sr \$205.00/Hr	Env Scientist \$144.00/Hr	Env Planner IV \$163.00/Hr	Env Planner III \$138.00/Hr	Env Planner I/II \$121.00/Hr	Junior GIS Technician \$119.00/Hr	Senior GIS Technician \$148.00/Hr	Archeologist Principal Investigator \$130.00/Hr	Archeologist \$100.00/Hr	Admin / Clerical \$98.00/Hr	Staff-Hr. Totals	Staff Cost / Task Totals
<u>Schultz Lane</u>																			
Task 1: Project Management																			
a. Communication																		0	\$0.00
b. Monthly Progress Reports Invoices, and Billings							3										5	8	\$1,288.00
c. QA/QC Plan								2										2	\$410.00
d. Project Coordination & Administration							6											6	\$1,596.00
e. Progress / Coordination Meetings							3											3	\$798.00
f. Project Design Schedule																		0	\$0.00
g. Project Documents / Files																		0	\$0.00
h. Deliverables																		0	\$0.00
Project Management Subtotal	0	0	0	0	0	0	12	2	0	0	0	0	0	0	0	0	5	19	\$4,092.00
Task 9: Environmental Services																			
a. County Due Diligence						2	2			2	18		2					26	\$4,266.00
b. Data Collection & Field Reconnaissance						1			8			8	4	2				23	\$3,235.00
c. Hazardous Materials Initial Site Assessment						2	2			4		44	4	1				57	\$7,818.00
d. Section 404 Clean Water Act Compliance						2		4	24				6	1				37	\$5,824.00
e. Texas Antiquities Code Compliance						2							8	2	6	18	2	38	\$4,710.00
Environmental Services Subtotal	0	0	0	0	0	9	4	4	32	6	18	52	24	6	6	18	2	181	\$25,853.00
Schultz Lane Subtotal																			\$29,945.00
HDR SUMMARY	0	0	0	0	0	9	16	6	32	6	18	52	24	6	6	18	7	200	\$29,945.00

Summary of Direct Expenses
HDR Engineering, Inc. (HDR)
ATTACHMENT D

Item Description	Unit	Quantity	Unit Cost	Total Cost
Direct Expenses				
I. Mileage	mile	150	\$0.700	\$105.00
II. Environmental Database Search	each	1	\$500.00	\$500.00
III. GPS Unit per hour	hr	4	\$25.00	\$100.00
HDR Direct Expenses				\$705.00

Summary of Manhours by Classification
McGray and McGray Land Surveyors, Inc. (McGray)
ATTACHMENT D

Description of Work or Task	Project Manager	3 man survey crew, with vehicle and data	2 man survey crew, with vehicle and data	Abstractor	Survey (RPLS) Senior	Survey Technician (SIT)	Survey Technician	Admin / Clerical	Staff-Hr.	Staff Cost / Task
	\$201.50/Hr	\$225.00/Hr	\$190.00/Hr	\$85.97/Hr	\$188.06/Hr	\$115.53/Hr	\$95.38/Hr	\$85.97/Hr	Totals	Totals
<u>Schultz Lane</u>										
Task 5: Right of Way (ROW) and Mapping (OMIT)										
Right of Way (ROW) and Mapping (OMIT) Subtotal	0	0	0	0	0	0	0	0	0	\$0.00
Task 7: Surveying										
a. Right of Entry (OMIT)									0	\$0.00
b. Field Surveying	4	16	50		4	40	50		164	\$24,048.44
d. Deliverables									0	\$0.00
Surveying Subtotal	4	16	50	0	4	40	50	0	164	\$24,048.44
Schultz Lane Subtotal										\$24,048.44
MCGRAY SUMMARY	4	16	50	0	4	40	50	0	164	\$24,048.44

Summary of Direct Expenses
McGray and McGray Land Surveyors, Inc. (McGray)
ATTACHMENT D

Item Description	Unit	Quantity	Unit Cost	Total Cost
Direct Expenses				
I. Mileage	mile	480	\$0.700	\$336.00
II. Overnight shipping / Courier	each	3	\$20.00	\$60.00
McGray Direct Expenses				\$396.00