

EXHIBIT C

WORK AUTHORIZATION

WORK AUTHORIZATION NO. 03

PROJECT: Schultz Lane

This Work Authorization is made pursuant to the terms and conditions of the Williamson County Contract for Engineering Services, being dated September 11, 2024 and entered into by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and Raba Kistner, Inc. (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 \$28,616.55.

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 December 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:

Raba Kistner, Inc.

COUNTY:

Williamson County, Texas

By: Yvonne G. Thomas

Signature

Yvonne Garcia Thomas, P.E

Printed Name

Vice President

Title

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 1:09 pm, Sep 19, 2025

ATTACHMENT A
SERVICES TO BE PROVIDED BY THE COUNTY
FOR SHULTZ LN

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, 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 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.
7. Submittal of documentation to regulatory agencies for review and comment, when specified.
8. Support project development efforts with stakeholders, coordinate meetings and interface with stakeholders, as needed.
9. Post and maintain project information for public consumption on the County website.
10. Assist with Coordination between the Engineer and the County's other subconsultants.
11. Negotiate with all utility companies for any agreements and/or relocations required.
12. Provide an agent as necessary to secure proposed ROW.
13. Provide construction observation and review contractor pay applications and progress.
14. Provide Engineer with Contractor submittals, Requests for Information (RFI's), shop drawings, and correspondence.

15. 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 for the Schultz Ln portion are from County Line to SH 45, approximately 1,583 ft.

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, add a right turn lane at the commercial driveways, and widen Schultz Lane at Louis Henna Blvd. to accommodate a wider turn radius. The engineer will evaluate the additional ROW needed to accommodate widening and drainage facilities.

Design Criteria

Geotechnical services for 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 (3 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 (6 external meetings assumed):

- Attend coordination/progress meetings 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.

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. GEOTECHNICAL SERVICES

a. BORINGS:

- The minimum spacing and depth of borings for retaining walls, bridges, slopes and embankments per the latest TxDOT Geotechnical Manual. Minimum depth for retaining wall borings shall be to a depth of at least where stress increase due to estimated foundation load is less than ten percent of the existing effective overburden stress at that depth and between one and two times the wall height as well as penetrate soft highly compressible soils. Borings are to be performed for each significant high-mast tower, overhead sign structure, or culvert to a depth of 10 feet below bottom of foundation. Groundwater elevations shall be taken 15 minutes after initial encounter with groundwater. Additional groundwater elevations shall be taken where clay soils are encountered to obtain a static water level. Field testing shall consist of either the Texas Cone Penetrometer (TCP) or the Standard Penetration Test (SPT) at a minimum of 5 foot intervals. In between the TCP/SPT interval obtain Shelby Tube samples and bag samples appropriate for laboratory testing. Pavement boring spacing shall be performed at intervals per the TxDOT Pavement Design Manual and should be to a depth of 15 feet.
- The Engineer shall be responsible for Soil Core Hole Drilling required for bridges, retaining walls, embankment, culvert, sign illumination, high-mast tower, and pavement borings. The Engineer shall follow the procedures in the TxDOT Geotechnical Manual and will contact the appropriate utility location services to have underground utilities located prior to drilling in an area.
- The soil borings will be properly backfilled with bentonite chips and a single lift of cold patch asphalt where applicable. The soil samples will be obtained using Shelby tubes and/or split-spoon samplers. Field-testing of soil samples will include pocket penetrometer in the cohesive soils and Standard Penetration Test (SPT) in the cohesionless soils. Texas Cone Penetrations will be performed in the culvert borings at five-foot intervals.
- The Geotechnical Engineer shall obtain a copy of the plans to be used in authoring the Geotechnical and Pavement Report. The purpose is to provide accurate plan information in these reports.

b. GEOTECHNICAL REPORTS:

- Perform appropriate laboratory tests on soil samples recovered from the borings. Laboratory testing will include but not limited to: moisture content, liquid limit, plastic limit, unconfined compression, Texas Triaxial, resilient modulus, and free swell, sulfate testing, and particle size analysis tests, visual classification, dry density, California Bearing Ratio (CBR) tests, sulfate content tests, lime series analyses.
 - Provide a Geotechnical Investigation for the project evaluated by a professional geotechnical engineer Licensed in the State of Texas. The following items will be included in the geotechnical report: soil boring locations, boring logs (TxDOT Wincore output graphs/format), and plan of borings, subsurface exploration procedures, encountered subsurface conditions, field and laboratory test results, description of surface and subsurface conditions, groundwater conditions/readings, analysis and recommendations for settlement and slope stability of the earthen embankments; and culvert bedding, analysis and recommendations for wingwalls, headwalls, and retaining walls, general earthwork recommendations, wall backfill limits, Swell potential evaluations, Pavement thickness design alternatives with subgrade stabilization, PVR calculations.
- c. Provide geotechnical analysis needed for pavement design. The pavement design will include consideration of traffic loads to be estimated by the Engineer. Pavement design shall follow the latest Williamson County Design Manual. TxDOT's Pavement Design. The traffic data required includes current and projected traffic counts and truck percentages. The Engineer will prepare four (4) flexible pavement design alternatives. Flexible pavement design alternatives shall include: subgrade stabilization utilizing lime and flexible base layer (if lime is not recommended, an explanation shall be provided for approval by the County Engineer); full depth asphalt section; driveway section; temporary full depth asphalt pavement section. Pavement thickness options are to use the latest version of TxDOT FPS-21.
- DELIVERABLES:
- Draft & Final Pavement Design Report

3. EXCLUSIONS

- a. Construction Phase Services

- b. Plan Preparation (PS&E) Services
- c. Bidding Phase Services
- d. Traffic Control/Construction Sequence
- e. Bridge Layouts
- f. Construction Time Determination

ATTACHMENT C FOR SCHULTZ LN**Geotechnical Schedule****Raba Kistner, Inc. (Raba)**

Item Description	Duration	Start	Finish	Duration % Complete
FIELD EXPLORARION AND LABORATORY TESTING	31d	1-Oct-25	1-Nov-25	0%
Coordination and Permits	10d	1-Oct-25	11-Oct-25	0%
Utilities	7d	8-Oct-25	15-Oct-25	0%
Drilling	1d	16-Oct-25	16-Oct-25	0%
Laboratory Testing	15d	17-Oct-25	1-Nov-25	0%
GEOTECHNICAL REPORT	30d	16-Oct-25	15-Nov-25	0%
Assessment of field and laboratory data	5d	16-Oct-25	21-Oct-25	0%
Engineering Analyses and Reporting	25d	22-Oct-25	16-Nov-25	0%

ATTACHMENT D - FEE SCHEDULE FOR SCHULTZ LN
Summary of Manhours by Classification
Raba Kistner, Inc. (Raba)

Description of Work or Task	Project Manager \$204.10/Hr	Principal \$255.00/Hr	Senior Geo Engineer \$233.58/Hr	Project Engineer \$159.12/Hr	Design Engineer \$182.03/Hr	EIT \$146.07/Hr	Geotech Logger \$119.02/Hr	Senior Geotech Technician \$91.80/Hr	Geotechnical Eng Tech \$77.22/Hr	Geotech Lab Tech \$82.74/Hr	Geologist \$154.02/Hr	GIS \$110.16/Hr	CADD Technician \$104.81/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			2	2										4	\$785.40
c. QA/QC Plan														0	\$0.00
d. Project Coordination & Administration			6											6	\$1,401.48
e. Projgress / Coordination Meetings			8	6										14	\$2,823.36
f. Project Design Schedule														0	\$0.00
g. Project Documents / Files														0	\$0.00
h. Deliverables														0	\$0.00
Project Management Subtotal	0	0	16	8	0	0	0	0	0	0	0	0	0	24	\$5,010.24
Task 2: Geotechnical Services															
a. Borings and Laboratory Assignment			1	2		5	17	14						39	\$4,590.71
b. Geotechnical Reports		1	3	9		22							2	37	\$5,810.98
c. Pavement Design			1	5		12								18	\$2,782.02
d. Deliverables														0	\$0.00
														0	\$0.00
														0	\$0.00
														0	\$0.00
Geotechnical Services Subtotal	0	1	5	16	0	39	17	14	0	0	0	0	2	94	\$13,183.71
TOTAL	0	1	21	24	0	39	17	14	0	0	0	0	2	118	\$18,193.95

ATTACHMENT D - FEE SCHEDULE FOR SCHULTZ LN

Summary of Direct Expenses

Raba Kistner, Inc. (Raba)

Item Description	Unit	Quantity	Unit Cost	Total Cost
FIELD OPERATIONS				
Mobilization of Drill Rig	units	1	\$600.00	\$600.00
Logger truck	units	2	\$68.01	\$136.02
Auger Drilling	ft	6	\$24.40	\$146.40
NX Rock Coring (Limestone)	ft	39	\$53.04	\$2,068.56
Standard Penetration Test (SPT) - ASTM 1586	units	6	\$29.92	\$179.52
Bentonite Backfill	ft	45	\$7.00	\$315.00
Standard Pavement Coring	units	3	\$93.05	\$279.15
Concrete/AC Patch	units	3	\$79.38	\$238.14
Standby (setup time and cleanup)	hrs	3	\$284.29	\$852.87
LABORATORY TESTING				
Atterberg Limits	units	5	\$125.84	\$629.20
Moisture Content	units	9	\$16.65	\$149.85
Sieve Analysis (passing No. 4, 40, 200)	units	5	\$120.04	\$600.20
Sulfate Testing	units	3	\$125.12	\$375.36
Unconfined Compression (Soil)	units	0	\$75.46	\$0.00
Unconfined Compression (Rock)	units	0	\$41.92	\$0.00
Lime Series Curve (Tex-121-E Part III)	units	1	\$452.33	\$452.33
*Moisture/Density Test (TEX-114-E)	units	0	\$350.45	\$0.00
*Texas Triaxial Compression (TEX-117-E)	units	0	\$2,200.00	\$0.00
OTHER DIRECT EXPENSES				
Utility Locates	days	1	\$1,000.00	\$1,000.00
Traffic Control Services	days	1	\$2,400.00	\$2,400.00
Raba Direct Expenses				\$10,422.60