

Reviewed by DFG
P731

EXHIBIT C

WORK AUTHORIZATION

WORK AUTHORIZATION NO. 1

PROJECT: 25RFSQ81 SH 95, Segment 4 (CR 124 (Proposed SH 29) to FM 1331)

This Work Authorization is made pursuant to the terms and conditions of the Williamson County Contract for Engineering Services, being dated October 14, 2025 and entered into by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and American Structurepoint, 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 \$870,000.90.

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.

Continued next page

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

ENGINEER:

American Structurepoint, Inc.

By: ^{Signed by:} *Benjamin W. Borcharding*
DEEB909A5C25424...
Signature

Benjamin W. Borcharding

Printed Name

Chief Operating Officer

Title

9/24/2025

Date

COUNTY:

Williamson 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 Christen Eschberger at 3:41 pm, Sep 29, 2025

**ATTACHMENT A
SERVICES TO BE PROVIDED BY THE COUNTY
FOR SH 95 SEGMENT 4**

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 SH 95 – SEGMENT 4

PROJECT DESCRIPTION

Project Limits

The Project Limits are along SH 95 from just north of the FM 1331 intersection to CR 124 intersection (Proposed SH 29), length is approximately 2.1 miles.

Existing Facility

The existing TXDOT facility is a 2-lane uncurbed asphalt road with 3 bridges and 2 culverts within the project limits. The existing ROW varies from 100'-130'.

Proposed Facility

The proposed ultimate facility is a controlled access facility with 2 mainlanes in each direction separated by a depressed median, 2 three-lane frontage roads, ramps, 2 shared use paths (one on each side of the Right-of-Way). The improvements include reconstruction of the CR 124 (interchange) and a future intersection at the arterial shown in the LRTP. The proposed ROW width will typically be 350 feet wide; however, it may vary to accommodate drainage, including detention ponds and drainage easements. There are bridges and culverts proposed along the project as there are multiple stream crossings with different spans. An Intersection Control Evaluation (ICE) analysis Stage 1 is required for all major intersections and signalized intersections.

Design Criteria

The proposed design criteria for the project will be developed from TxDOT design criteria.

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 ([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 ProjectWise.

- Prepare correspondence, invoices, and progress reports on a monthly basis in accordance with current County requirements.
 - If the project exceeds the assumed duration as noted, additional scope and fee modifications may be required.
- 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 ([24] external meetings assumed):
- Attend an in-person kickoff meeting and subsequent in-person 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.
- If the number of external project meetings exceeds the assumed number as noted, additional scope and fee modifications may be required.

f. PROJECT DESIGN SCHEDULE:

- Baseline Schedule - Submit a Critical Path Method (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 (electronic only):

- 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 obtain 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. Pavement Condition Assessment per the Williamson County Design Manual should be conducted during the field investigation.
- 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 all constraints maps and route options.
- 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 Report (DSR) per TxDOT Roadway Design Manual.**

c. CONSTRAINTS MAP ([3] preliminary 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 issues.

d. DELIVERABLES:

- Results of Records Research of Existing Information to ProjectWise.
- Property Owner Spreadsheet and Updates
- Constraints Map Preliminary Alignments and Technical Memorandum (pdf and hardcopies).
- Constraints Map Refined Alignment and Technical Memorandum Recommendation (pdf and hardcopies).
- Design Summary Report and typical sections (pdf and hardcopies)

3. PUBLIC INVOLVEMENT

a. PUBLIC INVOLVEMENT SUPPORT

- Review the project's Public Involvement plan prepared by others.
- Provide information or data for fact sheets and FAQs (assumed 1 fact sheet)
- Provide exhibits for website and other project information sites (up to [3] exhibits assumed).

b. PROPERTY OWNER MEETING SUPPORT

Public involvement activities will be conducted through the County's existing public involvement contract with Rifeline. The engineer will provide support for the Public Involvement plans for the following activities:

- Prepare materials and provide support and exhibits for meetings with Individual Property Owners (up to [40] exhibits).
- Provide property owner exhibits identifying parent tract (including area) and right-of-way acquisition (including parcel acquisition and remainder areas).
- One person will attend meetings as requested (up to [12] meetings assumed).

- If the number of property owner meetings exceeds the assumed number as noted, additional scope and fee modifications may be required.

c. STAKEHOLDER MEETINGS

- Coordinate with affected state and local agencies and County's consultants via in-person stakeholder meeting.
- Prepare agendas, sign in sheets, meeting minutes, discussion topics, presentations, overall exhibits, and maps of the project limits for stakeholder coordination meetings. (up to **[3]** meetings assumed).
- If the number of stakeholder meetings exceeds the assumed number as noted, additional scope and fee modifications may be required.

d. DELIVERABLES:

- Input on fact sheets, FAQs, and exhibits for website.
- Property owner exhibits (native file, pdf, and hardcopies).
- Stakeholder meeting agendas, exhibits, and meeting minutes.

4. UTILITY COORDINATION SUPPORT

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. The Engineer will not be responsible for providing utility designs required from this project.
- Add utility notes to plans and exhibits as necessary.
- Optimize the project design to minimize utility impacts and relocations

b. UTILITY MEETINGS

- Meet with utility coordinator and review utility impacts and potential relocations to identify appropriate approach to reducing/mitigating impacts **[up to 6 meetings]**.
- Attend meetings with utilities as requested **[up to 2 meetings]**
- **If the number of meetings exceeds the assumed number as noted, additional scope and fee modifications may be required.**

- **Review meeting minutes from utility coordinator within three (3) business days of the meeting.**

c. DELIVERABLES (electronic only):

- Utility information incorporated into plans and design files.
- Reviews of utility relocation plans. (assume up to two reviews per utility relocation, assume up to 5 utility relocations).

5. RIGHT OF WAY (ROW) AND MAPPING

a. ROW MAP:

- Research Williamson County Appraisal District information and compile parcel information to be displayed into schematic and property owner exhibits (up to 40 properties).
- Prepare a table formatted list of impacted tracts.

b. Upon notice to proceed, the Surveyor shall download the Williamson County Appraisal District parcel lines for utilization in the ROW basemap. Utilizing the CAD parcel lines and the associated deed research, the Surveyor shall create a ROW basemap depicting current ownership and approximate property lines. No field surveys will be conducted for this effort and no boundary or ROW analyzation will be performed. Approximate boundary and ROW lines shown on the ROW basemap will be from CAD parcel lines only. DELIVERABLES:

- Preliminary Schematic displaying owner parcel information and affected property owner list (drawing file, and pdf)
- Final Schematic displaying owner parcel information and affected property owner list (drawing file, and pdf)
- Property owner exhibits (drawing file, and pdf per)

6. SCHEMATIC DEVELOPMENT

a. SCHEMATIC:

- Prepare preliminary schematic submittal for the preferred alignment per Williamson 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 wall locations and bridge types, limits, and bent locations. Optimize bridge limits to balance spanning wide flood plains with mitigation requirements.

- Prepare final schematic submittal per Williamson County submittal requirements and selected design criteria.
- Structures anticipated to be considered during preliminary route and schematic development include:
 - 4 Direct Connectors at SH 95/Future SH 29 interchange (Only 1 route option is anticipated for evaluation after alignment selection. Intersection geometry is set by Corridor A design).
 - 1 Grade separation at arterial/signalized locations as identified in the County’s LRTP.
 - 3 water crossing locations (NB/SB mainlanes and NB/SB frontage road bridges will be considered at each location).
- Prepare a Stage 1 ICE analysis at major intersections and signalized intersections. Perform a 12-hour turning movement volume count at **SH 95 & FM 1331 (or viable existing intersection), and SH 95 & SH 29** on a typical weekday during the AM and PM peak hours. Forecast the base year traffic volumes to design year volumes using an annual growth rate to account for background traffic growth. Trip generation, distribution, and assignment for any site development is NOT anticipated and therefore excluded from this contract.
- Utilize TxDOT approved tools to ensure safety-driven decisions are considered during the schematic design process. Perform Intersection Control Evaluations (ICE) Stage 1 analysis at **SH 95 & the future LRTP intersection, and SH 95 & Future SH 29** intersections per TxDOT guidelines to determine the most appropriate and safe control strategies. This process includes Safety Performance for Intersection Control Evaluation (SPICE) to evaluate the anticipated safety performance as well as using CAP-X tool to determine capacity and v/c ratios of various control types during the scoping and screening stages of the project development process. If ICE Stage 2 analysis is required, it will NOT be performed as part of this contract.

b. DELIVERABLES:

- Preliminary Schematic Submittal including cost estimate per submittal requirements.

- Final Schematic Submittal including cost estimate per submittal requirements.
- ICE Stage 1 Analysis Memorandum.

7. DRAINAGE STUDY

a. HYDROLOGIC/HYDRAULIC MODELING ([4] major channel crossings, [3] 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, bridges, 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.
- Develop existing channel cross sections based on data collection.
- Exhibits and analysis will be prepared in the GIS environment to the extent practical.
- If the number of channel crossings and structures exceeds the assumed number as noted, additional scope and fee modifications may be required.

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. Provide preliminary analysis for ultimate build out to determine ROW footprint.

- d. DELIVERABLES (Electronic only):
 - Preliminary & Final Drainage Report.

8. ENVIRONMENTAL SERVICES

- a. DESKTOP LEVEL REVIEW AND FIELD RECONNAISSANCE (electronic only):
 - Identify and gather data on environmental concerns and known constraints (cultural sites, potential waters of the U.S., hazardous material sites, floodplain) based on research of public databases and sources, to be included into the ROW footprint Layout. Perform a field reconnaissance from public ROW. Follow Williamson Design Criteria Manual.
 - Prepare memo summarizing concerns and constraints for each alternative for justification of preferred alternative.
- b. DELIVERABLES (electronic only):
 - Draft and Final Environmental Constrain Memo

9. EXCLUSIONS

- a. PS&E
- b. Construction Phase Services
- c. Right of Entry
- d. Surveying
- e. Scour Analysis
- f. CLOMR / LOMR
- g. Geotechnical Services
- h. Permits
- i. Crash or Operational Analysis, and Traffic Safety and Operational Report
- j. Traffic Modeling or simulations of existing or proposed conditions ICE Stage 2 Analysis
- k. Additional turning movement counts or analysis for additional intersections or scenarios above those stated in the scope



Work Authorization No. 1
Termination Date: September 30, 2026

Task		Project Summary		Inactive Milestone		Manual Summary Rollup		Deadline		Manual Progress	
Split		External Tasks		Inactive Summary		Manual Summary		Critical			
Milestone		External Milestone		Manual Task		Start-only		Critical Split			
Summary		Inactive Task		Duration-only		Finish-only		Progress			

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**ATTACHMENT D: ESTIMATED FEE SUMMARY
WILLIAMSON COUNTY
SH 95 SEGMENT 4**

American Structurepoint Inc.

Task	American Structurepoint	SAM	SWCA	Hardesty & Hanover	Half	Total Labor
1. Project Management	\$59,570.00	\$1,533.00	\$2,056.00	\$10,185.00	\$ 26,890.00	\$100,234.00
2. Route and Design Studies	\$160,280.00			\$11,885.00	\$ 6,704.00	\$178,869.00
3. Public Involvement	\$43,810.00			\$810.00		\$44,620.00
4. Utility Coordination Support	\$12,740.00			\$2,635.00	\$ 780.00	\$16,155.00
5. Right of Way and Mapping	\$4,240.00	\$31,767.00				\$36,007.00
6. Schematic Development	\$208,050.00			\$36,050.00	\$ 7,552.00	\$251,652.00
7. Drainage Study	\$6,930.00			\$3,080.00	\$ 209,816.00	\$219,826.00
8. Environmental Services	\$1,520.00		\$13,020.00			\$14,540.00
ODE	\$6,140.00		\$1,160.40	\$ 97.50	\$ 700.00	\$8,097.90
TOTAL	\$ 503,280.00	\$33,300.00	\$16,236.40	\$64,742.50	\$252,442.00	\$870,000.90

**ATTACHMENT D: ESTIMATED FEE SUMMARY
WILLIAMSON COUNTY
SH 95 SEGMENT 4**

American Structurepoint Inc.

Task	Principal	QA/QC	Senior PM	PM	Sr Proj Eng	Proj Eng	Sr. Traffic Engineer	Traffic Engineer	Design Engineer	Sr Tech	Tech	EIT	Admin / Clerical	Total Hours	Total Labor
Rates	\$400.00	\$320.00	\$330.00	\$320.00	\$260.00	\$215.00	\$250.00	\$180.00	\$175.00	\$200.00	\$136.00	\$140.00	\$100.00		
1. Project Management	0	20	88	0	48	30	0	0	24	0	0	0	10	220	\$ 59,570.00
a. Designate a PM for all communication with County			10										10	20	\$ 4,300.00
b. Monthly Progress Reports, Invoices - Including Deliverable Table (10 months)			4		8									32	\$ 9,800.00
c. Project Specific QA/QC Plan		20	40		40	20								100	\$ 27,900.00
d. Project Coordination and Administration			24						24					48	\$ 12,120.00
e. Progress/Coordination Meetings (24 assumed)			10			10								20	\$ 5,450.00
f. Project Schedule and Updates															
2. Route and Design Studies	0	14	96	0	77	170	0	0	210	0	0	220	0	787	\$ 160,280.00
a. Data Collection			30		5				40					40	\$ 23,800.00
b. Design Criteria - Submit Design Summary Report (DSR)		2	4			10			10					46	\$ 8,660.00
c. Constraints Map (Up to 3 Preliminary Alternative Concepts)															\$ -
i. Alternative 1 including Interchanges at Future SH 29		4	30		40	80			80			80		314	\$ 63,980.00
ii. Alternative 2		4	16		16	40			40			40		156	\$ 31,920.00
iii. Alternative 3		4	16		16	40			40			40		156	\$ 31,920.00
3. Public Involvement	0	2	46	0	0	46	0	0	60	0	0	50	6	210	\$ 43,810.00
a. Public Involvement Support			10			10			20			10		50	\$ 10,350.00
b. Property Owner Meeting Support (12 meetings, 40 exhibits)		2	24			24			40			40		130	\$ 26,320.00
c. Stakeholder Meetings (3 assumed)			12			12							6	30	\$ 7,140.00
4. Utility Coordination	0	1	8	0	8	0	0	0	28	0	0	20	0	65	\$ 12,740.00
a. Incorporate utility information into engineering drawings		1	4		4				20			20		49	\$ 8,980.00
b. Utility Meetings			4		4				8					16	\$ 3,760.00
5. Right of Way and Mapping	0	0	2	0	0	2	0	0	10	0	0	10	0	24	\$ 4,240.00
a. ROW Map			2			2			10			10		24	\$ 4,240.00

**ATTACHMENT D: ESTIMATED FEE SUMMARY
WILLIAMSON COUNTY
SH 95 SEGMENT 4**

American Structurepoint Inc.

Task	Principal	QA/QC	Senior PM	PM	Sr Proj Eng	Proj Eng	Sr. Traffic Engineer	Traffic Engineer	Design Engineer	Sr Tech	Tech	EIT	Admin / Clerical	Total Hours	Total Labor
6. Schematic Development	0	28	82	16	54	136	36	36	234	0	0	480	0	1102	\$ 208,050.00
a. Prepare Preliminary and Final Schematic															
i. Prepare Preliminary Schematic Plan		4	20		10	24			40			80		178	\$ 33,840.00
ii. Preliminary Profiles, Mainlines, Frontage roads, sidewalk and ramps		4	20		10	24			40			80		178	\$ 33,840.00
iii. Preliminary Alignment Data and Typical Sections		2	4		2	6			12			24		38	\$ 7,550.00
iv. Special Ditch Grades for Cross section development		1	4		2	6			12			24		61	\$ 11,010.00
v. Prepare Preliminary Schematic cross sections		2	4		2	4			40			100		152	\$ 24,340.00
vii. Prepare Final Schematic Plan		2	10		10	24			20			60		126	\$ 23,600.00
viii. Prepare Final Schematic profiles		2	6		8	16			16			40		88	\$ 16,540.00
ix. Update Special Ditch Grades for Cross section development		1	2		2	10			10			20		45	\$ 8,200.00
x. Prepare Final Schematic cross sections		2	4		4	10			10			20		50	\$ 9,700.00
xi. Prepare an ICE S1 analysis for major intersections (assume 2)		6		16			36	36				24		118	\$ 25,880.00
b. Prepare Preliminary and Final Cost Estimate															
i. Prepare Preliminary Cost Estimate		1	4		2	6			10			10		33	\$ 6,600.00
ii. Prepare Final Cost Estimate		1	4		2	6			12			10		35	\$ 6,950.00
7. Drainage Study (See Half Fee - Coordination Only)	0	1	5	0	16	0	0	0	0	4	0	0	0	26	\$ 6,930.00
a. Hydrologic/Hydraulic Modeling - ASI Coordination			2		4					2				8	\$ 2,100.00
b. FEMA Coordination and Modeling - ASI Coordination			1		4									5	\$ 1,370.00
c. Impact and Mitigation Analysis - ASI Coordination					4					2				6	\$ 1,440.00
d. Schematic Draft Drainage Report - ASI Coordination		1	2		4									7	\$ 2,020.00
8. Environmental Services (See SWCA Fee - Coordination Only)	0	0	2	0	0	4	0	0	0	0	0	0	0	6	\$ 1,520.00
a. Desktop review and Field Reconnaissance (ASI Coordination Only)			2			4								6	\$ 1,520.00
Total ASI Direct Labor Hours	0	66	329	16	203	388	36	36	566	4	0	780	16	2440	
Percent of Total Hours	0%	3%	13%	1%	8%	16%	1%	1%	23%	0%	0%	32%	1%		
Total ASI Direct Labor (Schematic and Env.) Cost															\$ 497,140.00
Total Other Direct Expenses Cost															\$ 6,140.00
TOTAL PROJECT COST															\$ 503,280.00

**FEE SCHEDULE (SAM, LLC)
SPECIFIED RATE PAYMENT BASIS
ROW MAPPING PLANNING SERVICES**

Project: SH 95 Segment 4
SAM

TASK DESCRIPTION	SENIOR PROJECT MANAGER-SURVEY	PROJECT MANAGER- SURVEY	SENIOR OFFICE TECHNICIAN- SURVEY	OFFICE TECHNICIAN- SURVEY	ADMIN/CLERICAL SUPPORT	TOTAL LABOR HRS. & COSTS	NO OF DWGS	GROUP TOTAL
ROW Mapping Planning								
1. Project Coordination	1	3	4			\$1,533.00		
5. Download Williamosn County CAD Parcels	1	1	4	8		\$2,095.00		
5. Deed Research (Up to 40 parcels)	1	4	20	80	1	\$14,220.00		
5. Create Ownership Spreadsheet		2	12	28	1	\$5,846.00		
5. Prepare ROW Basemap (From existing records, up to 40 parcels)	1	4	12	28		\$6,436.00		
5. QA/QC Prepare Final Deliverables	1	6	4	8		\$3,170.00		
						\$0.00		
						\$0.00		\$33,300.00
SUB-TOTALS	5	20	56	152	2	\$33,300.00		
HOURS SUB-TOTALS	5	20	56	152	2		N/A	
CONTRACT RATE PER HOUR	\$280.00	\$215.00	\$152.00	\$124.00	\$120.00			
TOTAL LABOR COSTS	\$1,400.00	\$4,300.00	\$8,512.00	\$18,848.00	\$240.00	\$33,300.00		

SUMMARY	
LABOR COSTS	\$33,300.00
TOTAL SAM SURVEY	\$33,300.00

**ATTACHMENT D- ESTIMATED FEE SUMMARY
WILLIAMSON COUNTY
SH 95 SEGMENT 4**

Hall Associates

TASK/DESCRIPTION	PRINCIPAL IN CHARGE	PROJECT MANAGER	SR TECHNICAL MANAGER	SR QC REVIEWER	SR DRAINAGE ENGINEER	SR PROJECT ENGINEER	PROJECT ENGINEER	DESIGN ENGINEER	SIT	SR TECHNICIAN	GIS TECHNICIAN	ADMIN CLERICAL	TOTAL	SUB ID	TOTAL LABOR	
													MAL- HOURS		FOR TASK	
TASK 1 PROJECT MANAGEMENT																
A COMMUNICATION													0			\$ -
B PROGRESS REPORTS/INVOICING (10 MONTHS)							10					10	20			\$ 3,500
C GAUGE													0		\$ -	
DC DELIVERABLES													0		\$ -	
CONTINUOUS QC													0		\$ -	
D PROJECT COORDINATION/ADMIN													0		\$ -	
PREPARE AND MAINTAIN RECORDKEEPING													0		\$ -	
COORDINATE AND COORDINATION WITH GIS													0		\$ -	
MANAGE ACTIVITIES													0		\$ -	
E PROGRESS/COORDINATION MEETINGS (24 EXTERNAL MEETINGS)													0		\$ -	
MEET AND COORDINATION/PROGRESS MEETINGS													4		\$ 1,400	
MEET AND COORDINATION/INQUIRY/ALL EXTERNAL													12		\$ 4,200	
PREPARE AGENDA/AGENDA ITEMS (ALL EXTERNAL MEETINGS)													40		\$ 10,500	
PREPARE MEETING MINUTES													0		\$ -	
INTERNAL COORDINATION MEETINGS													10		\$ 3,500	
F PROJECT SCHEDULE AND UPDATE													4		\$ 1,400	
G PROJECT DOCUMENTS													2		\$ 700	
H PROJECT DOCUMENTS													2		\$ 700	
													0		\$ -	
SUBTOTAL HOURS/COSTS	0	20	0	0	22	0	52	0	0	0	0	10	194		\$ 26,890.00	
TASK 2 ROUTE AND DESIGN STUDIES															0	
A DATA COLLECTION													0		\$ -	
FIELD INVESTIGATION								8	8				16		\$ 2,912	
APPROVAL AND CONTOUR REVIEW								4					4		\$ 880	
B DESIGN CRITERIA													0		\$ -	
PRELIMINARY ALIGNMENT								6	6				12		\$ 2,184	
REFINE ALIGNMENT								2	2				4		\$ 728	
													0		\$ -	
SUBTOTAL HOURS/COSTS	0	0	0	0	0	0	20	0	16	0	0	0	36		\$ 6,704.00	
TASK 4 UTILITY COORDINATION SUPPORT																
B UTILITY MEETINGS													0		\$ -	
MEET W UTILITY COORDINATOR (UP TO 6 MEETINGS)													2		\$ 340	
ATTENDING MEETING WITH UTILITIES (UP TO 3 MEETINGS)								2	2				4		\$ 440	
													0		\$ -	
SUBTOTAL HOURS/COSTS	0	0	0	0	0	0	2	2	0	0	0	0	4		\$ 780.00	
TASK 6 SCHEMATIC DEVELOPMENT																
A SCHEMATIC													0		\$ -	
PREPARE PRELIMINARY SCHEMATIC								12	20				32		\$ 5,500	
PREPARE FINAL SCHEMATIC								4	8				12		\$ 2,030	
													0		\$ -	
SUBTOTAL HOURS/COSTS	0	0	0	0	0	0	16	0	28	0	0	0	44		\$ 7,530.00	
TASK 9 DRAINAGE STUDY																
A HYDROLOGIC/HYDRAULIC MODELING (4 MAJOR CHANNEL CROSSINGS, 3 CROSS CULVERTS ASSUMED)													0		\$ -	
PREPARE HYDROLOGIC AND HYDRAULIC MODELS								2	8	12	20	40	100	160	362	\$ 64,320
DEVELOP EXISTING CHANNEL CROSS SECTIONS								1	4	8	12	20	32	60	148	\$ 27,840
GIS EXHIBITS AND ANALYSIS									1	2	4	4	8	16	20	\$ 3,254
PARALLEL DRAINAGE (No ORD Modeling)										8	40	40			88	\$ 14,520
B FEMA COORDINATION															0	\$ -
COORDINATE WITH LOCAL FEMA															37	\$ 6,780
C IMPACT AND MITIGATION ANALYSIS															0	\$ -
ANALYZE IMPACTS AND DETERMINE INCREASES IN PEAK FLOW (Does not include compensatory out evaluation, assume prime consultant to coordinate with their ORD models)									2	8	12	20	50	80	110	\$ 57,620
D DELIVERABLES															0	\$ -
PRELIMINARY AND FINAL DRAINAGE REPORT									6	6	10		55	75	10	\$ 29,690
															0	\$ -
SUBTOTAL HOURS/COSTS	0	6	0	27	42	68	126	319	489	0	86	0	1177		\$ 209,816.00	
FEE SUMMARY																
TASK 1 PROJECT MANAGEMENT	0	20	0	0	22	0	52	0	0	0	0	10	194		\$ 26,890.00	
TASK 2 ROUTE AND DESIGN STUDIES	0	0	0	0	0	0	20	0	16	0	0	0	36		\$ 6,704.00	
TASK 4 UTILITY COORDINATION SUPPORT	0	0	0	0	0	0	2	2	0	0	0	0	4		\$ 780.00	
TASK 6 SCHEMATIC DEVELOPMENT	0	0	0	0	0	0	16	0	28	0	0	0	44		\$ 7,530.00	
TASK 9 DRAINAGE STUDY	0	6	0	27	42	68	126	319	489	0	86	0	1177		\$ 209,816.00	
TOTAL HOURS	0	26	0	27	64	68	216	321	613	0	86	10	1365		\$ 251,742.00	
CONTRACT RATES (\$)	\$ 400.00	\$ 350.00	\$ 350.00	\$ 350.00	\$ 325.00	\$ 275.00	\$ 220.00	\$ 170.00	\$ 144.00	\$ 148.00	\$ 110.00	\$ 130.00				
TOTAL LABOR COSTS	\$0	\$9,100	\$0	\$9,450	\$20,800	\$18,700	\$47,520	\$54,570	\$73,872	\$0	\$9,460	\$1,300			\$ 251,742.00	
TOTAL BY CATEGORY	0%	4%	0%	4%	8%	7%	19%	22%	29%	0%	4%	1%	100%		\$ 251,742.00	
TOTAL FEE															\$ 252,442.00	

TOTAL LABOR = \$ 251,742.00
TOTAL FEE = \$ 252,442.00

**ATTACHMENT D: ESTIMATED FEE SUMMARY
WILLIAMSON COUNTY
SH 95 Segment 4**

Other Direct Expenses (American Structurepoint, Inc.)

Direct Expenses	Rate	Unit	Quantity	Cost
Plots (Color on Bond)	\$ 1.75	Square Feet	1900	\$ 3,325.00
Photocopies B/W (8 1/2" x11")	\$ 0.15	Each	200	\$ 30.00
Photocopies B/W (11" x 17")	\$ 0.25	Each	500	\$ 125.00
Photocopies Color (8 1/2" x 11")	\$ 1.00	Each	200	\$ 200.00
Photocopies Color (11" x 17")	\$ 1.25	Each	200	\$ 250.00
Mileage	\$ 0.70	Miles	300	\$ 210.00
TMCs (12-hour)	\$ 1,000.00	Each	2	\$ 2,000.00
SUB TOTAL				\$ 6,140.00
SWCA				
Mileage	\$ 0.700	Miles	172	\$ 120.40
Hazardous Materials Database Search	\$ 1,000.000	Actual Cost	1	\$ 1,000.00
GPS Table + Geode	\$ 40.000	Day	1	\$ 40.00
				\$ -
SUB TOTAL				\$ 1,160.40
Hardesty & Hanover				
Photocopies B/W (11" x 17")	\$ 0.25	Each	10	\$ 2.50
Photocopies Color (11" x 17")	\$ 1.25	Each	20	\$ 25.00
Mileage	\$ 0.70	Miles	100	\$ 70.00
SUB TOTAL				\$ 97.50
Halff				
Mileage	\$ 0.70	Miles	1000	\$ 700.00
SUB TOTAL				\$ 700.00
TOTAL				\$ 8,097.90