

## **WORK AUTHORIZATION**

### **WORK AUTHORIZATION NO. 1**

#### **PROJECT: SH 95 – Segment 1**

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 WSB 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 \$899,650.20.

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:

WSB LLC

By: Robert Bailey  
Signature

Robert Bailey  
Printed Name

Vice President  
Title

September 23, 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 3:37 pm, Oct 03, 2025*

**ATTACHMENT A**  
**SERVICES TO BE PROVIDED BY THE COUNTY**  
**FOR SH 95 – SEGMENT 1**

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.
17. Available as-built plans for SH 95 and crossing routes.
18. Provide available traffic projections needed for Stage 1 ICE analysis.

**ATTACHMENT B**  
**SERVICES TO BE PROVIDED BY THE ENGINEER FOR**  
**SH 95 – SEGMENT 1**

**PROJECT DESCRIPTION**

Project Limits

The Project Limits are from Travis County Line to FM 1660 (includes intersection) along SH 95, total length 3.8 miles.

Existing Facility

The existing TxDOT facility is a 2-lane uncurbed asphalt road with 3 bridges and 10 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 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 along the proposed project as there are multiple stream crossings. The improvements include the reconstruction of major intersections such as FM 1660 (Interchange) and CR 458. An Intersection Control Evaluation (ICE) Stage 1 analysis is required for all major 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 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 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 [24] 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.

- Prepare meeting minutes for review via email 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 (Assume 24 parcels requiring ROW acquisition).
  - Prepare a table formatted list of impacted tracts.
- b. Upon notice to proceed, download the Williamson County Appraisal District parcel lines for utilization in the ROW basemap. Utilizing the CAD parcel lines and the associated property owner information, 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.
- c. 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)
6. SCHEMATIC DEVELOPMENT
- a. SCHEMATIC:
- Prepare preliminary schematic submittal 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 grade separations at arterial/signalized locations as identified in the County's LRTP.
  - 3 water crossing locations (EB/WB mainlanes and EB/WB 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 along SH 95 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 along SH 95 & future LRTP intersection, and 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 Analysis Memorandum.

## 7. DRAINAGE STUDY

### a. HYDROLOGIC/HYDRAULIC MODELING ([3] major channel crossings, [10] 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.
- Prepare and submit Conditional Letter of Map Revision (CLOMR) **VOID**
- Prepare and submit Letter of Map Revision (LOMR). **VOID**
- Pay Application Fee(s). -**VOID**

### c. SCOUR ANALYSIS - **VOID**

### d. 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.

- e. DELIVERABLES (Electronic only):
- Preliminary & Final Drainage Report.
  - Preliminary & Final CLOMR. -VOID
  - Preliminary & Final LOMR. VOID

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 environmental constraints for each alternative for justification of preferred alternative.
- b. DELIVERABLES (electronic only):
- Draft and Final Environmental Constraints Memo

9. GEOTECHNICAL SERVICES -VOID

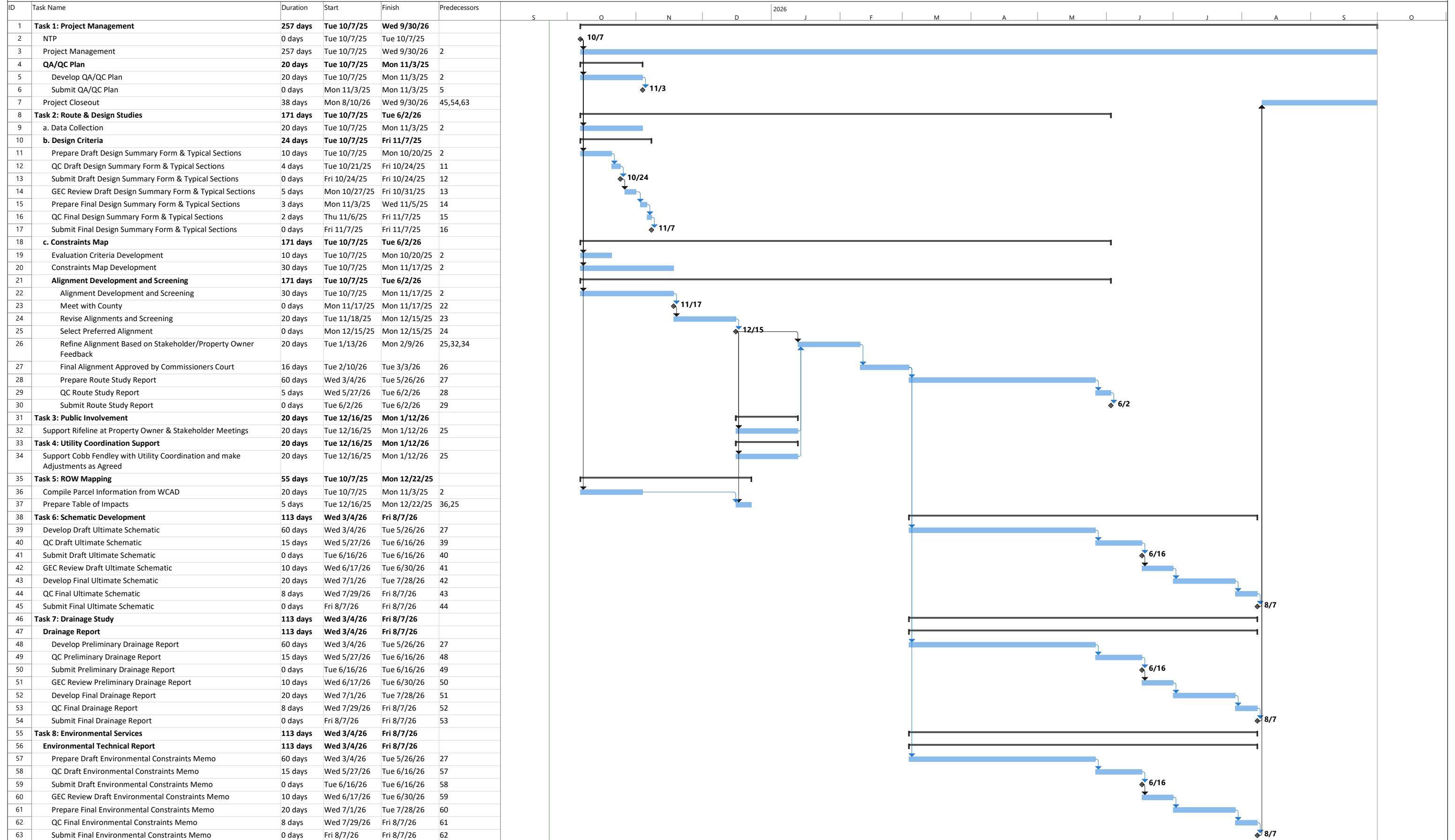
10. PERMITS - VOID

11. EXCLUSIONS

- a. PS&E
- b. Bidding Phase and Construction Phase Services
- c. Interim Schematic Design
- d. Traffic Control Plan and Construction Sequence
- e. Bridge Layouts
- f. Construction Time Determination
- g. CLOMR or LOMR
- h. Geotechnical Services
- i. Traffic Analysis (with the exception of Stage 1 ICE at CR 458, FM 1466 and FM 1660 based on existing conditions)

- j. Traffic Volume Counts / Traffic Turning Movement Counts (other than the 3 12-hr turning movement counts needed for the ICE analysis)
- k. Traffic Projections
- l. Surveying
- m. NEPA Documentation
- n. Noise Walls
- o. All Permits
- p. Utility Relocation Design or Estimates

SH 95 Segment 1 - FM 1660 to Travis County Line  
 Work Authorization No. 1  
 Attachment C - Work Schedule



**WSB, LLC**  
**SH 95 Segment 1**  
**Work Authorization No. 1**  
**Attachment D - Fee Schedule**

Task	WSB		LJA		Benesch		Hardesty & Hanover		SWCA		Total	
	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost
1. Project Management	216	\$60,080.00	130	\$28,240.00	29	\$7,771.00	10	\$2,250.00	13	\$2,056.00	398	\$100,397.00
2. Route and Design Studies	976	\$164,930.00			108	\$32,700.00	0	\$0.00			1084	\$197,630.00
3. Public Involvement	150	\$33,920.00					0	\$0.00			150	\$33,920.00
4. Utility Coordination Support	91	\$23,360.00					0	\$0.00			91	\$23,360.00
5. ROW and Mapping	78	\$16,440.00									78	\$16,440.00
6. Schematic Development	1690	\$291,800.00			104	\$29,380.00	100	\$17,830.00			1894	\$339,010.00
7. Drainage Study	24	\$6,720.00	798	\$158,985.00			0	\$0.00			822	\$165,705.00
8. Environmental Services	16	\$2,720.00							90	\$13,020.00	106	\$15,740.00
Expenses		\$5,810.30		\$0.00		\$420.00		\$97.50		\$1,120.40		\$7,448.20
<b>Total</b>	<b>3241</b>	<b>\$605,780.30</b>	<b>928</b>	<b>\$187,225.00</b>	<b>241</b>	<b>\$70,271.00</b>	<b>110</b>	<b>\$20,177.50</b>	<b>103</b>	<b>\$16,196.40</b>	<b>4623</b>	<b>\$899,650.20</b>

**SH 95 Segment 1  
Work Authorization No. 1  
Attachment D - Fee Schedule**

WSB LLC	Principal/Sr. Advisor	Sr. Project Manager	Sr. Engineer II	Sr. Engineer I	Project Engineer	Design Engineer II	Design Engineer I	Graduate Engineer	Sr. Engineer Tech	Engineer Tech	CADD/GIS Operator	Jr. CADD/GIS Operator	Environmental/Transportation Planner	Sr. Environmental Specialist	Environmental Specialist	Project Analyst	Admin/Clerical	Total Labor Hours	Task Cost
	\$410.00	\$370.00	\$335.00	\$280.00	\$230.00	\$210.00	\$180.00	\$150.00	\$200.00	\$150.00	\$135.00	\$90.00	\$185.00	\$170.00	\$140.00	\$130.00	\$110.00		
<b>1. Project Management</b>																			
b. Develop Monthly Progress Reports, Invoices, and Billings (10 months assumed)																8	8	26	
c. QA/QC Plan		8		8															32
d. Project Coordination and Administration	4	16	22	22															80
e. Progress/Coordination Meetings (24 assumed)		16	22		12														56
f. Project Design Schedule		4		2															10
g. Project Documents/Files		4	8																12
<b>TASK HOURS SUB-TOTALS</b>	4	48	52	32	12	0	0	0	0	0	0	0	52	0	0	8	8	216	
<b>TASK FEES TOTAL</b>	\$1,640.00	\$17,760.00	\$17,420.00	\$8,960.00	\$2,760.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$9,620.00	\$0.00	\$0.00	\$1,040.00	\$880.00		\$60,080.00
<b>2. Route and Design Studies</b>																			
a. Data Collection		6	8		12		12	40			24		12	12					126
b. Design Criteria		2		12				8			24								46
c. Constraints Map (3 Preliminary Alignments assumed)		12	20	60			100	240			54	100	100	54	40		24		804
<b>TASK HOURS SUB-TOTALS</b>	0	20	28	72	12	0	112	288	0	0	78	124	112	66	40	0	24		976
<b>TASK FEES TOTAL</b>	\$0.00	\$7,400.00	\$9,380.00	\$20,160.00	\$2,760.00	\$0.00	\$20,160.00	\$43,200.00	\$0.00	\$0.00	\$10,530.00	\$11,160.00	\$20,720.00	\$11,220.00	\$5,600.00	\$0.00	\$2,640.00		\$164,930.00
<b>3. Public Involvement</b>																			
a. Public Involvement Support (Assume 1 fact sheet edits and up to 3 website exhibits)		2	4										8						14
b. Property Owner Meeting Support (up to 12 meetings, up to 24 parcel exhibits, one person attend up to 12 meetings)		6	12					48											66
c. Stakeholder Meetings (Up to 3 meetings assumed)		6	24					4			12		24						70
<b>TASK HOURS SUB-TOTALS</b>	0	14	40	0	0	0	0	52	0	0	12	0	32	0	0	0	0	0	150
<b>TASK FEES TOTAL</b>	\$0.00	\$5,180.00	\$13,400.00	\$0.00	\$0.00	\$0.00	\$0.00	\$7,800.00	\$0.00	\$0.00	\$1,620.00	\$0.00	\$5,920.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$33,920.00
<b>4. Utility Coordination Support</b>																			
a. Incorporate Utility Information into Engineering Drawings		1						48											49
b. Utility Meetings (Assume 6 meetings with CF and 2 meetings with utility companies)		8	34																42
<b>TASK HOURS SUB-TOTALS</b>	0	9	34	0	0	0	48	0	0	0	0	0	0	0	0	0	0	0	91
<b>TASK FEES TOTAL</b>	\$0.00	\$3,330.00	\$11,390.00	\$0.00	\$0.00	\$0.00	\$8,640.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$23,360.00
<b>5. ROW and Mapping</b>																			
a. ROW Map (Assume 24 parcels requiring ROW acquisition)		6		12			48						12						78
<b>TASK HOURS SUB-TOTALS</b>	0	6	0	12	0	0	48	0	0	0	0	0	12	0	0	0	0	0	78
<b>TASK FEES TOTAL</b>	\$0.00	\$2,220.00	\$0.00	\$3,360.00	\$0.00	\$0.00	\$8,640.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2,220.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$16,440.00
<b>6. Schematic Development</b>																			
a. Schematic																			0
Preliminary Schematic Roll Plot																			0
General and Layout (Title Plate/Blocks, Project Designations, Road Class)				4			4						16						24
Typical Sections			2	2			6		8	2			10						38
Cross Sections		4	4	4			16						16						44
Traffic Control/Construction Sequence		1	2	2			8						8						21
Schematic Plan and Profile		22	28	30	60	80	138	200	18	266		112		0	0	0	0		954
Construction Cost Estimate		6	4	2	8		8	24		24		24							109
Final Schematic Roll Plot																			0
General and Layout		1					4						4						9
Typical Sections		1					4						6						11
Cross Sections		4					16						16						44
Traffic Control/Construction Sequence		1					6						6						19
Schematic Plan and Profile		8	10		22	50	24	46		106		24							290
Construction Cost Estimate		1	2	2	4		4	16		16		16							61
Intersection Control Evaluation		1	8	14			20	24		8		8							83
<b>TASK HOURS SUB-TOTALS</b>	0	50	60	60	94	130	258	310	26	436	0	266	0	0	0	0	0	0	1690
<b>TASK FEES TOTAL</b>	\$0.00	\$18,500.00	\$20,100.00	\$16,800.00	\$21,620.00	\$27,300.00	\$46,440.00	\$46,500.00	\$5,200.00	\$65,400.00	\$0.00	\$23,940.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$291,800.00
<b>7. Drainage Study</b>																			
a. Hydrologic/Hydraulic Modeling																			0
b. FEMA Coordination																			0
d. Impact and Mitigation Analysis																			0
Drainage Report				24															24
<b>TASK HOURS SUB-TOTALS</b>	0	0	0	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24
<b>TASK FEES TOTAL</b>	\$0.00	\$0.00	\$0.00	\$6,720.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$6,720.00
<b>8. Environmental Services</b>																			
a. Desktop Review and Field Reconnaissance														16					16
<b>TASK HOURS SUB-TOTALS</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	16	0	0	0	0	16
<b>TASK FEES TOTAL</b>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2,720.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2,720.00
<b>TOTAL WSB LABOR HOURS</b>	4	147	214	200	118	130	466	650	26	436	90	390	208	82	40	8	32		3241
<b>TOTAL WSB LABOR COSTS</b>	\$1,640.00	\$54,390.00	\$71,690.00	\$56,000.00	\$27,140.00	\$27,300.00	\$83,880.00	\$97,500.00	\$5,200.00	\$65,400.00	\$12,150.00	\$35,100.00	\$38,480.00	\$13,940.00	\$5,600.00	\$1,040.00	\$3,620.00		\$599,970.00
<b>OTHER DIRECT EXPENSES</b>																			
WSB Direct Expenses:	QUANTITY	UNIT	Rate	TOTAL															
Toll Charges	20	EA	\$2.00	\$40.00															
12-hr Turning Movement Count	3	EA	\$1,400.00	\$4,200.00															
Photage	10	EA	\$0.75	\$7.50															
Photocopies B/W (8 1/2" X 11")	100	PAGE	\$0.15	\$15.00															
Photocopies Color (8 1/2" X 11")	200	PAGE	\$1.00	\$200.00															
Photocopies B/W (11" X 17")	50	PAGE	\$0.25	\$12.50															
Photocopies Color (11" X 17")	200	PAGE	\$1.25	\$250.00															
Report Printing	6	EA	\$25.00	\$150.00															
Report Bindings and Tabbing	6	EA	\$10.00	\$60.00															
Plots (Color on Bond) (per sq. ft.)	100	SF	\$1.75	\$175.00															
Mileage	1000	MILE	\$0.700	\$700.00															
<b>SUBTOTAL DIRECT EXPENSES</b>				\$5,810.30															
<b>SUMMARY</b>																			
Subtotal Labor				\$599,970.00															
Subtotal Direct Expenses				\$5,810.30															
<b>TOTAL WSB FEE</b>	<b>\$605,780.30</b>																		

**SH 95 Segment 1  
Work Authorization No. 1  
Attachment D - Fee Schedule**

LJA Engineering, Inc.	Project Principal	Quality Manager	Senior Engineer	Project Engineer	Design Engineer	Engineer-in-Training	Admin	Total Labor Hours	Task Cost
	\$310.00	\$260.00	\$240.00	\$210.00	\$185.00	\$150.00	\$90.00		
<b>1. Project Management</b>									
b. Develop Monthly Progress Reports, Invoices, and Billings (10 months assumed)			24				24	48	
c. QA/QC Plan		32						32	
e. Progress/Coordination Meetings (24 assumed)			48					48	
g. Project Documents/Files			2					2	
<b>TASK HOURS SUB-TOTALS</b>	0	32	74	0	0	0	24	130	
<b>TASK TOTALS</b>	\$0.00	\$8,320.00	\$17,760.00	\$0.00	\$0.00	\$0.00	\$2,160.00		\$28,240.00
<b>7. Drainage Study</b>									
<b>a. Hydrologic/Hydraulic Modeling</b>									
1. Data Collection/Create base maps			8			8		16	
2. Site Visit/Take Pictures			8			8		16	
3. Coordinate Crossing Utilities (11 Crossings)			11					11	
4. Brushy Creek Bridge									
a. Existing Model HEC-RAS (Update WILCO Atlas 14 Model)			4	4	4	4		16	
b. Proposed Model HEC-RAS			8	8	8	8		32	
5. Unnamed Trib to Brushy Creek Bridge									
a. Existing Model HEC-RAS (Update WILCO Atlas 14 Model)			4	4	4	4		16	
b. Proposed Model HEC-RAS			8	8	8	8		32	
6. Bridge-class Culvert (1)									
a. NRCS UH Hydrology HEC-HMS			2	2	2	2		8	
b. Create Existing HEC-RAS Model			4	4	4	4		16	
c. Create Proposed HEC-RAS Model			4	4	4	4		16	
7. Minor Culverts (10)									
a. Rational Method and NRCS UH Hydrology HEC-HMS			5	5	5	5		20	
b. Create Existing HY-8 Models (10)			20	20	20	20		80	
c. Create Proposed HY-8 Models (10)			20	20	20	20		80	
8. ROW Drainage (Roadside Ditch Profile and Geometry)			40	40	40	40		160	
9. Determine ROW and Easement Needs			4	4	4	4		16	
<b>b. FEMA Coordination</b>			4					4	
<b>d. Impact and Mitigation Analysis</b>									
1. Pre-project Conditions Hydrologic Model (11 POIs)			5	5	5	5		20	
2. Post-project Conditions Hydrologic Model (11 POIs)			5	5	5	5		20	
3. 2YR, 10YR, 25YR, 100YR Pre vs. Post Comparison (11 POIs)			6	6	5	5		22	
4. Impact Assessment (11 POIs)			11					11	
5. Waterway Stability Impact Analysis (11 POIs)			6	6	5	5		22	
6. Detention Pond Design (Malcolm Small Watershed Method) (11 POIs)			12	12	10	10		44	
<b>e. Deliverables</b>									
1. Preliminary Drainage Report			32	16	16	16		80	
2. Final Drainage Report			16	8	8	8		40	
<b>TASK HOURS SUB-TOTALS</b>	0	0	247	181	177	193	0	798	
<b>TASK FEE TOTAL</b>	\$0.00	\$0.00	\$59,280.00	\$38,010.00	\$32,745.00	\$28,950.00	\$0.00		\$158,985.00
<b>TOTAL LJA LABOR HOURS</b>	0	32	321	181	177	193	24	928	
<b>TOTAL LJA LABOR COSTS</b>	\$0.00	\$8,320.00	\$77,040.00	\$38,010.00	\$32,745.00	\$28,950.00	\$2,160.00		\$187,225.00
<b>OTHER DIRECT EXPENSES</b>	QUANTITY	UNIT	Rate	TOTAL					
LJA Direct Expenses:									
<b>SUBTOTAL DIRECT EXPENSES</b>				\$0.00					
<b>SUMMARY</b>									
Subtotal Labor	\$187,225.00								
Subtotal Direct Expenses	\$0.00								
<b>TOTAL LJA FEE</b>	\$187,225.00								

**SH 95 Segment 1  
Work Authorization No. 1  
Attachment D - Fee Schedule**

Benesch	Principal	Senior Project Manager	Sr. Manager of Special Projects (RR Coordination)	QA/QC Engineer	Project Manager	Senior Project Engineer	Admin/Clerical	Total Labor Hours	Task Cost
	\$325.00	\$315.00	\$315.00	\$315.00	\$280.00	\$240.00	\$86.00		
<b>1. Project Management</b>									
b. Develop Monthly Progress Reports, Invoices, and Billings (10 months assumed)		6					6	12	
e. Progress/Coordination Meetings (24 assumed)	1	8	8					17	
<b>TASK HOURS SUB-TOTALS</b>	1	14	8	0	0	0	6	29	
<b>TASK TOTALS</b>	\$325.00	\$4,410.00	\$2,520.00	\$0.00	\$0.00	\$0.00	\$516.00		\$7,771.00
<b>2. Route and Design Studies</b>									
d. Planning Support	4	12		4	40			60	
e. UPRR Considerations	4		40	4				48	
<b>TASK HOURS SUB-TOTALS</b>	8	12	40	8	40	0	0	108	
<b>TASK FEE TOTAL</b>	\$2,600.00	\$3,780.00	\$12,600.00	\$2,520.00	\$11,200.00	\$0.00	\$0.00		\$32,700.00
<b>6. Schematic Development</b>									
b. QA/QC									
Alternatives				12	4			16	
Draft Ultimate Schematic				16	12	16		44	
Final Ultimate Schematic				16	12	16		44	
<b>TASK HOURS SUB-TOTALS</b>	0	0	0	44	28	32	0	104	
<b>TASK FEE TOTAL</b>	\$0.00	\$0.00	\$0.00	\$13,860.00	\$7,840.00	\$7,680.00	\$0.00		\$29,380.00
<b>TOTAL Benesch LABOR HOURS</b>	9	26	48	52	68	32	6	241	
<b>TOTAL Benesch LABOR COSTS</b>	\$2,925.00	\$8,190.00	\$15,120.00	\$16,380.00	\$19,040.00	\$7,680.00	\$516.00		\$69,851.00
<b>OTHER DIRECT EXPENSES</b>	<b>QUANTITY</b>	<b>UNIT</b>	<b>Rate</b>	<b>TOTAL</b>					
Benesch Direct Expenses:									
Toll Charges	10	EA	\$2.00	\$20.00					
Courier	3	EA	\$50.00	\$150.00					
Report Printing	3	EA	\$25.00	\$75.00					
Mileage	250	MILE	\$0.700	\$175.00					
<b>SUBTOTAL DIRECT EXPENSES</b>				<b>\$420.00</b>					
<b>SUMMARY</b>									
<b>Subtotal Labor</b>	<b>\$69,851.00</b>								
<b>Subtotal Direct Expenses</b>	<b>\$420.00</b>								
<b>TOTAL Benesch FEE</b>	<b>\$70,271.00</b>								

**SH 95 Segment 1  
Work Authorization No. 1  
Attachment D - Fee Schedule**

Hardesty & Hanover (H&H)	Project Principal	Senior Technical Advisor	Sr Project Manager	Sr Structural QA/QC Manager	Sr Structural Engineer	Structural Engineer	Sr Structural Designer (EIT III)	Structural Designer (EIT I)	Sr Engineer Technician	CAD Technician	Admin/ Clerical	Total Labor Hours	Task Cost
	\$335.00	\$300.00	\$270.00	\$255.00	\$250.00	\$165.00	\$125.00	\$110.00	\$150.00	\$95.00	\$90.00		
<b>1. Project Management</b>													
b. Monthly Progress Reports, Invoices, and Correspondance			4									4	
f. Project Schedulj			2									2	
g. Project Documents/Files						2			2			4	
<b>TASK HOURS SUB-TOTALS</b>	0	0	6	0	0	2	0	0	2	0	0	10	
<b>TASK TOTALS</b>	\$0.00	\$0.00	\$1,620.00	\$0.00	\$0.00	\$330.00	\$0.00	\$0.00	\$300.00	\$0.00	\$0.00		\$2,250.00
<b>6. Schematic Development - Assume 4 grade separations, 3 major channel crossings</b>													
a. Schematic optimize bridges and develop bridge limits & linework - Prelim and Final		2	8	8	2	20	16		18			74	
b. Deliverables assist with prelim & final schematic submittals including bridge cost estimate			2	2	2	12	8					26	
<b>TASK HOURS SUB-TOTALS</b>	0	2	10	10	4	32	24	0	18	0	0	100	
<b>TASK FEE TOTAL</b>	\$0.00	\$600.00	\$2,700.00	\$2,550.00	\$1,000.00	\$5,280.00	\$3,000.00	\$0.00	\$2,700.00	\$0.00	\$0.00		\$17,830.00
<b>TOTAL H&amp;H LABOR HOURS</b>	0	2	16	10	4	34	24	0	20	0	0	110	
<b>TOTAL H&amp;H LABOR COSTS</b>	\$0.00	\$600.00	\$4,320.00	\$2,550.00	\$1,000.00	\$5,610.00	\$3,000.00	\$0.00	\$3,000.00	\$0.00	\$0.00		\$20,080.00
<b>OTHER DIRECT EXPENSES</b>	<b>QUANTITY</b>	<b>UNIT</b>	<b>Rate</b>	<b>TOTAL</b>									
H&H Direct Expenses:													
Photocopies B/W (11" X 17")	10	PAGE	\$0.25	\$2.50									
Photocopies Color (11" X 17")	20	PAGE	\$1.25	\$25.00									
Mileage	100	MILE	\$0.70	\$70.00									
<b>SUBTOTAL DIRECT EXPENSES</b>				\$97.50									
<b>SUMMARY</b>													
Subtotal Labor	\$20,080.00												
Subtotal Direct Expenses	\$97.50												
<b>TOTAL H&amp;H FEE</b>	\$20,177.50												

**SH 95 Segment 1  
Work Authorization No. 1  
Attachment D - Fee Schedule**

SWCA	Subject Matter Expert IV	Subject Matter Expert III	Subject Matter Expert II	Subject Matter Expert I	Specialist XII	Specialist X	Specialist IX	Specialist VIII	Specialist VII	Specialist VI	Specialist V	Specialist III	Total Labor Hours	Task Cost
	\$293.00	\$268.00	\$242.00	\$230.00	\$226.00	\$189.00	\$169.00	\$158.00	\$147.00	\$137.00	\$123.00	\$104.00		
<b>1. Project Management</b>														
b. Develop Monthly Progress Reports, Invoices, and Billings (10 months assumed)												5	5	
d. Project Coordination and Administration					4			4					8	
<b>TASK HOURS SUB-TOTALS</b>	0	0	0	0	4	0	0	4	0	0	0	5	13	
<b>TASK TOTALS</b>	\$0.00	\$0.00	\$0.00	\$0.00	\$904.00	\$0.00	\$0.00	\$632.00	\$0.00	\$0.00	\$0.00	\$520.00		<b>\$2,056.00</b>
<b>8. Environmental Services</b>														
a. Desktop Review and Field Reconnaissance			1	1	8	4	8	12	8	8	16	24	90	
<b>TASK HOURS SUB-TOTALS</b>	0	0	1	1	8	4	8	12	8	8	16	24	90	
<b>TASK TOTALS</b>	\$0.00	\$0.00	\$242.00	\$230.00	\$1,808.00	\$756.00	\$1,352.00	\$1,896.00	\$1,176.00	\$1,096.00	\$1,968.00	\$2,496.00		<b>\$13,020.00</b>
<b>TOTAL SWCA LABOR HOURS</b>	0	0	1	1	12	4	8	16	8	8	16	29	103	
<b>TOTAL SWCA LABOR COSTS</b>	\$0.00	\$0.00	\$242.00	\$230.00	\$2,712.00	\$756.00	\$1,352.00	\$2,528.00	\$1,176.00	\$1,096.00	\$1,968.00	\$3,016.00		<b>\$15,076.00</b>
<b>OTHER DIRECT EXPENSES</b>	<b>QUANTITY</b>	<b>UNIT</b>	<b>Rate</b>	<b>TOTAL</b>										
SWCA Direct Expenses:														
Mileage	172	Per Mile	\$0.70	\$120.40										
Hazardous Materials Database Search	1	Actual Cost	\$1,000.00	\$1,000.00										
<b>SUBTOTAL DIRECT EXPENSES</b>				<b>\$1,120.40</b>										
<b>SUMMARY</b>														
Subtotal Labor														\$15,076.00
Subtotal Direct Expenses														\$1,120.40
<b>TOTAL SWCA FEE</b>														<b>\$16,196.40</b>