



**SUPPLEMENTAL WORK AUTHORIZATION NO. 5
TO
WORK AUTHORIZATION NO. 2**

**WILLIAMSON COUNTY ROAD BOND PROJECT:
CR 305 @ IH-35 Phase 1 Bridge Replacement Project**

This Supplemental Work Authorization No. 5 to Work Authorization No. 2 is made pursuant to the terms and conditions of the Williamson County Contract for Engineering Services, being dated October 16, 2014 ("Contract") and entered into by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and H.W. Lochner, Inc. (the "Engineer").

WHEREAS, the County and the Engineer executed Work Authorization No. 2 dated effective February 24, 2016 (the "Work Authorization");

WHEREAS, pursuant to Article 14 of the Contract, amendments, changes and modifications to a fully executed Work Authorization shall be made in the form of a Supplemental Work Authorization; and

WHEREAS, it has become necessary to amend, change and modify the Work Authorization.

AGREEMENT

NOW, THEREFORE, premises considered, the County and the Engineer agree that the Work Authorization shall be amended, changed and modified as follows:

- I. The Services to be Provided by the Engineer that were set out in the original Attachment "B" of the Work Authorization are hereby amended, changed and modified as shown in the attached revised Attachment "B" (must be attached).
- II. The Work Authorization shall terminate on July 31, 2018. The Services to be Provided by the Engineer shall be fully completed on or before said date unless extended by an additional Supplemental Work Authorization. The revised Work Schedule is attached hereto as Attachment "C" (must be attached).
- III. The maximum amount payable for services under the Work Authorization is hereby increased from \$670,359.48 to \$734,623.48. The revised Work Schedule is attached hereto as Attachment "D" (must be attached).

Except as otherwise amended by prior or future Supplemental Work Authorizations, all other terms of the Work Authorization are unchanged and will remain in full force and effect.

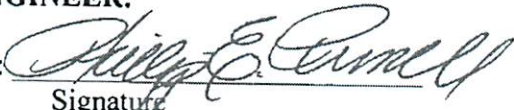
This Supplemental Work Authorization does not waive the parties' responsibilities and obligations provided under the Contract.

OK ✓

11/20/17
[Signature]

IN WITNESS WHEREOF, the County and the Engineer have executed this Supplemental Work Authorization, in duplicate, to be effective as of the date of the last party's execution below.

ENGINEER:

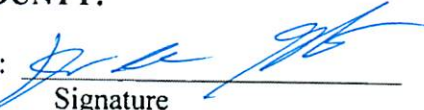
By: 
Signature

Phillip E. Russell
Printed Name

Senior Vice President
Title

11/20/17
Date

COUNTY:

By: 
Signature

Dan A. Gattis
Printed Name

County Judge
Title

12-11-2017
Date

OK
11/29/2017

LIST OF ATTACHMENTS

Attachment B - Services to be Provided by Engineer

Attachment C - Work Schedule

Attachment D - Fee Schedule

IN WITNESS WHEREOF, the County and the Engineer have executed this Supplemental Work Authorization, in duplicate, to be effective as of the date of the last party's execution below.

ENGINEER:

By: 
Signature

Phillip E. Russell
Printed Name

Senior Vice President
Title

11/20/17
Date

COUNTY:

By: _____
Signature

Dan A. Gattis
Printed Name

County Judge
Title

Date

OK
m 11/29/2017

LIST OF ATTACHMENTS

Attachment B - Services to be Provided by Engineer

Attachment C - Work Schedule

Attachment D - Fee Schedule

ATTACHMENT B (SA#5)

SCOPE OF SERVICES TO BE PROVIDED BY THE ENGINEER

Williamson County, Texas ~ CR 305 at IH 35 Bridge Replacement

EXHIBIT B (SA #5)

SCOPE OF SERVICES TO BE PROVIDED BY THE ENGINEER

Williamson County, Texas ~ CR 305 at IH 35 Bridge Replacement

FC 145 PROJECT MANAGEMENT

- 145.1 Project Management:** The Engineer shall provide general administration of contract work, including design team meetings, internal staffing, QA/QC of submittals, and task assignments

FC 160 - ROADWAY DESIGN CONTROLS

160.1 Plan Development

1. Typical Section Sheets – Adjust typical section sheets for requested changes to the proposed typical section sections for all roadways.
2. Plan and Profile Sheets – Update P/P sheets due to the typical section and wall changes.
3. Cut and Fill Quantities and Roadway Cross-Sections – Update design cross-sections
4. Index of Sheets – Adjust index due to wall changes.
5. Intersection Layout Sheets – Adjust sheets due to wall changes.
6. Plan/Profile Sheets - Adjust sheets due to wall changes.

FC 161 - DRAINAGE

161.1 Final Drainage Design

1. Drainage Area Maps – Adjust sheets due to wall changes.

FC 162 – SIGNING, MARKING & SIGNALIZATION

162.1 Final Drainage Design

1. Signing & Pavement Marking Layouts – Adjust sheets due to wall changes.

FC 163 - MISCELLANEOUS (ROADWAY)

163.1 Traffic Control Plans

1. Traffic Control Plan Analysis – Adjust sheets due to wall changes.

163.4 Quantities

1. Compute and Tabulate Quantities using locally preferred bid items, compute quantities and summarize in the plans for requested changes.

163.5 Estimate

1. Update a construction cost estimate for requested changes using locally preferred bid items and estimated unit prices or Excel format.

163.7 Construction Contract Time Determination

1. Prepare a P6 Construction Contract Time estimate due to design changes and as requested by TxDOT.

163.8 SW3P/Erosion Control Plans

1. SW3P/Erosion Control Plans – Adjust sheets due to wall changes.

163.9 Retaining Walls

1. Produce MSE Retaining Wall Plan/Profile Sheets.
2. Produce Miscellaneous Retaining Wall Detail Sheets.
3. Download TXDOT Retaining Wall Standards, Complete and Modify.
4. Prepare retaining wall analysis for MSE walls with global stability calculations.

FC 170 - Bridge Design

170.1. Bridge Layout

1. Adjust Bridge Layout due to wall changes.

170.2. Bridge Detail Summary

1. Adjust bridge quantity estimate and specs due to wall changes.

170.3. Bridge Structural Details

1. Adjust Abutment Details due to wall changes.
2. Select different Bridge Standards due to wall changes.
3. Modify Bridge Standards due to wall changes.
4. QA/QC effort on bridge changes.

ATTACHMENT C - CR 305 at IH 35 Bridge Replacement WA#2 SA#5

ID	Task	Task Name	Duration	Start	Finish	Sep '17	Oct '17	Nov '17	Dec '17	Jan '18	Feb '18	Mar '18	Apr '18	May '18	Jun '18	Jul '18	Aug '18	Sep '18
1	Task																	
2	Task	Design changes from 100% Review	48 days	Tue 12/5/17	Thu 2/8/18													
3	Task	QA/QC	4 days	Thu 2/8/18	Tue 2/13/18													
4	Task	Final PS&E Submittal	1 day	Wed 2/14/18	Wed 2/14/18													
5	Task	Schedule TxDOT Final Review / Letting Scheduling	112 days	Wed 2/14/18	Thu 7/19/18													

Project: Project1	Task	External Tasks	Manual Task	Finish-only
Split	External Milestone	Duration-only	Deadline	Deadline
Milestone	Inactive Task	Manual Summary Rollup	Progress	Progress
Summary	Inactive Milestone	Manual Summary	Manual Progress	Manual Progress
Project Summary	Inactive Summary	Start-only		

Attachment D - Fee Schedule
Specified Rate and Lump Sum

SCOPE TASK NO.	TASK DESCRIPTION	PRINCIPAL	PROJECT MANAGER	SENIOR ENGR	STRUCT ENGR	PROJECT ENGR	QUALITY MANAGER	EIT	SENIOR ENGR TECH	ENGR TECH	JUNIOR ENGR TECH	ADMIN/ CLERICAL	TASK TOTALS	TOTAL LABOR HRS & COSTS
110	ROUTE & DESIGN STUDIES (FC 110)	\$310.80	\$281.38	\$212.68	\$196.32	\$153.78	\$294.47	\$101.43	\$114.52	\$94.89	\$68.72	\$81.80		
110.1	INVESTIGATIONS												\$0.00	0
110.2	PROVIDE SIGNED, SEALED & DATED SOIL BORING PLAN AND DATASHEETS												\$0.00	0
110.3	PAVEMENT ENGINEERING PAVEMENT DESIGN REPORT UPDATES												\$0.00	0
110.4.2													\$0.00	0
	HOURS SUB-TOTALS	0	0	0	0	0	0	0	0	0	0	0	\$0.00	0
	TOTAL LABOR COSTS	\$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
	% DISTRIBUTION OF STAFFING	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		
	SUBTOTAL (FC 110)													\$0.00
120	SOCIAL, ECONOMIC AND ENVIRONMENTAL STUDIES, AND PUBLIC INVOLVEMENT (FC 120)													
120.2	COMPLETE EPIC SHEETS WITH INPUT FROM THE STATE ENV												\$0.00	0
	HOURS SUB-TOTALS	0	0	0	0	0	0	0	0	0	0	0	\$0.00	0
	TOTAL LABOR COSTS	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$0.00
	% DISTRIBUTION OF STAFFING	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		
	SUBTOTAL (FC 120)													\$0.00

01/26/17



**Attachment D - Fee Schedule
Specified Rate and Lump Sum**

Williamson County

SCOPE TASK NO.	TASK DESCRIPTION	PRINCIPAL	PROJECT MANAGER	SENIOR ENGR	STRUCT. ENGR	PROJECT ENGR	QUALITY MANAGER	EIT	SENIOR ENGR TECH	ENGR TECH	JUNIOR ENGR TECH	ADMIN/CLERICAL	TASK TOTALS	TOTAL LABOR HRS & COSTS
	CONTRACT RATE PER HOUR	\$310.80	\$281.38	\$212.68	\$196.32	\$153.78	\$294.47	\$101.43	\$114.52	\$94.89	\$68.72	\$81.80		
145	PROJECT MANAGEMENT (FC 145)													
	COORDINATE FINAL SURVEYING AND UTILITY COORDINATION													
	CONDUCT INTERNAL DESIGN TEAM MEETINGS												\$0.00	0
	PREPARE INVOICES AND WRITTEN PROGRESS REPORTS FOR EACH PERIOD												\$0.00	0
	MEET ON A SCHEDULED BASIS WITH THE COUNTY/TxDOT		2	6	2								\$0.00	0
	PREPARE, DISTRIBUTE, AND FILE WRITTEN AND ELECTRONIC CORRESPONDENCE												\$0.00	0
	PREPARE AND MAINTAIN PROJECT DESIGN SCHEDULE												\$2,028.60	8
	QA/QC OF 60%, 90% & 100% SUBMITTALS			4			4							
	HOURS SUB-TOTALS	0	2	10	2	0	4	0	0	0	0	0	\$4,260.08	18
	TOTAL LABOR COSTS	\$ -	\$ 562.76	\$ 2,126.80	\$ 392.64	\$ -	\$ 1,177.88	\$ -	\$ -	\$ -	\$ -	\$ -		\$4,260.08
	% DISTRIBUTION OF STAFFING	0.00%	11.11%	55.56%	11.11%	0.00%	22.22%	0.00%	0.00%	0.00%	0.00%	0.00%		
	SUBTOTAL (FC145)													\$4,260.08

11/20/17

Attachment D - Fee Schedule
Specified Rate and Lump Sum

Williamson County

SCOPE TASK NO.	TASK DESCRIPTION	PRINCIPAL	PROJECT MANAGER	SENIOR ENGR	STRUCT. ENGR	PROJECT ENGR	QUALITY MANAGER	EIT	SENIOR ENGR TECH	ENGR TECH	JUNIOR ENGR TECH	ADMIN/ CLERICAL	TASK TOTALS	TOTAL LABOR HRS & COSTS
	CONTRACT RATE PER HOUR	\$310.80	\$281.38	\$212.68	\$196.32	\$153.78	\$284.47	\$101.43	\$114.52	\$94.89	\$88.72	\$81.80		
160	ROADWAY DESIGN CONTROLS (FC160)													
160.2	PLAN DEVELOPMENT													
160.2.1	DEVELOP TYPICAL SECTIONS													
160.4	CUT AND FILL QUANTITIES AND FINAL CROSS SECTIONS			2				4	8				\$1,747.24	14
160.2	TITLE SHEET			2				40	40				\$9,063.36	82
160.2	INDEX OF SHEETS												\$0.00	0
160.2	PREPARE HORIZONTAL ALIGNMENT DATA SHEETS							2					\$202.86	2
160.2	DEVELOP INTERSECTION LAYOUT SHEETS			1				2					\$0.00	0
160.2	PLAN LAYOUTS & SUPPLEMENTAL GRADING SHEETS												\$415.64	3
160.2	DRIVEWAY DETAILS												\$0.00	0
160.2	DRIVEWAY PROFILES FOR EACH DRIVE ALONG THE ROADWAY												\$0.00	0
160.2	MISCELLANEOUS ROADWAY DETAIL SHEETS												\$0.00	0
160.2	REMOVAL PLANS												\$0.00	0
160.2	UTILIZE STATE STANDARDS												\$0.00	0
160.2.3	PREPARE PLAN/PROFILE SHEETS			2		2		8	16				\$3,376.68	28
	HOURS SUB-TOTALS	0	0	7	0	2	0	56	64	0	0	0	\$14,805.68	129
	TOTAL LABOR COSTS	\$ -	\$ -	\$ 1,488.76	\$ -	\$ 307.56	\$ -	\$ 5,680.08	\$ 7,329.28	\$ -	\$ -	\$ -	\$ -	\$14,805.68
	% DISTRIBUTION OF STAFFING	0.00%	0.00%	5.43%	0.00%	1.55%	0.00%	43.41%	49.61%	0.00%	0.00%	0.00%	0.00%	
	SUBTOTAL (FC 160)													\$14,805.68

**Attachment D - Fee Schedule
Specified Rate and Lump Sum**

Williamson County

SCOPE TASK NO.	TASK DESCRIPTION	PRINCIPAL	PROJECT MANAGER	SENIOR ENGR	STRUCT. ENGR	PROJECT ENGR	QUALITY MANAGER	EIT	SENIOR ENGR TECH	ENGR TECH	JUNIOR ENGR TECH	ADMIN/ CLERICAL	TASK TOTALS	TOTAL LABOR HRS & COSTS
	CONTRACT RATE PER HOUR	\$310.80	\$281.38	\$212.68	\$196.32	\$153.78	\$294.47	\$101.43	\$114.52	\$94.89	\$68.72	\$81.80		
161	DRAINAGE (FC161)													
161.1	FINAL DRAINAGE DESIGN													
	PREPARE DRAINAGE AREA MAPS			1				2					\$415.54	3
	DESIGN CULVERT (ASSUME 1)												\$0.00	0
	DESIGN STORM SEWER												\$0.00	0
	PREPARE CULVERT LAYOUT												\$0.00	0
	ASSEMBLE APPLICABLE STANDARDS												\$0.00	0
	PREPARE HYDRAULIC DATA SHEETS												\$0.00	0
	PREPARE STORM SEWER PLAN PROFILES												\$0.00	0
	PREPARE DRAINAGE PLAN AND DETAIL SHEETS												\$0.00	0
	DRIVEWAY PIPE AND DITCH CALCULATIONS												\$0.00	0
	HOURS SUB-TOTALS	0	0	1		0	0	2	0			0	\$415.54	3
	TOTAL LABOR COSTS	\$	\$	\$ 212.68	\$	\$	\$	\$ 202.86	\$	\$	\$	\$		\$415.54
	% DISTRIBUTION OF STAFFING	0.00%	0.00%	33.33%	0.00%	0.00%	0.00%	66.67%	0.00%	0.00%	0.00%	0.00%		
	SUBTOTAL (FC161)													\$415.54

11/20/17

Attachment D - Fee Schedule
Specified Rate and Lump Sum

Williamson County

SCOPE TASK NO	TASK DESCRIPTION	PRINCIPAL	PROJECT MANAGER	SENIOR ENGR	STRUCT. ENGR	PROJECT ENGR	QUALITY MANAGER	EIT	SENIOR ENGR TECH	ENGR TECH	JUNIOR ENGR TECH	ADMIN/ CLERICAL	TASK TOTALS	TOTAL LABOR HRS & COSTS
	CONTRACT RATE PER HOUR	\$310.80	\$281.38	\$212.68	\$196.32	\$153.78	\$294.47	\$101.43	\$114.52	\$94.89	\$68.72	\$81.80		
162	SIGNING, MARKINGS, & SIGNALIZATION (FC 162)													
162.1	PREPARE SIGNING & PAVEMENT MARKING LAYOUTS			1				2					\$415.54	3
162.2	PREPARE PAVEMENT MARKING DETAILS												\$0.00	0
162.3	PREPARE PAVEMENT MARKINGS SUMMARIES												\$0.00	0
162.4	PREPARE SMALL SIGN SUMMARIES												\$0.00	0
162.5	PREPARE SIGNAL WARRANT ANALYSIS (2 TOTAL)												\$0.00	0
162.6	ASSEMBLE APPLICABLE STANDARDS												\$0.00	0
162.7	PREPARE LARGE GUIDE SIGN DETAILS												\$0.00	0
162.7	PREPARE LARGE SIGN QUANTITIES AND SUMMARY												\$0.00	0
162.8	PREPARE OBJ MIRR & DEL QUANTITIES AND SUMMARY												\$0.00	0
	HOURS SUB-TOTALS	0	0	1	0	0	0	2	0	0	0	0	\$415.54	3
	TOTAL LABOR COSTS	\$0.00	\$0.00	\$212.68	\$0.00	\$0.00	\$0.00	\$202.86	\$0.00	\$0.00	\$0.00	\$0.00		\$415.54
	% DISTRIBUTION OF STAFFING	0.00%	0.00%	33.33%	0.00%	0.00%	0.00%	66.67%	0.00%	0.00%	0.00%	0.00%		
	SUBTOTAL (FC 162)													\$415.54
	TASK DESCRIPTION	PRINCIPAL	PROJECT MANAGER	SENIOR ENGR	STRUCT. ENGR	PROJECT ENGR	QUALITY ENGR	EIT	SENIOR ENGR TECH	ENGR TECH	JUNIOR ENGR TECH	ADMIN/ CLERICAL	TASK TOTALS	TOTAL LABOR HRS & COSTS
163	MISCELLANEOUS (ROADWAY) (FC 163)													
163.1	TRAFFIC CONTROL PLANS (ASSUME 4 PHASES)			4				8	16				\$3,494.48	28
163.1.1	TRAFFIC CONTROL LAYOUTS												\$0.00	0
163.1.2	TRAFFIC CONTROL TYPICAL SECTIONS												\$0.00	0
163.1.3	INTERSECTION STAGING DESIGN/LAYOUTS												\$0.00	0
163.1.5	SELECT AND PREPARE TCP STANDARDS												\$0.00	0
163.1.6	PREPARE DETOUR DESIGNS/SHEETS												\$0.00	0
163.2	ILLUMINATION													
163.2.1	ILLUMINATION LAYOUTS												\$0.00	0
163.2.2	ILLUMINATION DETAILS												\$0.00	0
163.2.3	DESIGN COORDINATION & PLACEMENT												\$0.00	0
163.3	MISC DETAILS AND STANDARDS													
163.3.1	PREPARE MISC DETAILS AND LAYOUTS												\$0.00	0
163.2.2	SELECT AND PREPARE ROADWAY STANDARDS												\$0.00	0

**Attachment D - Fee Schedule
Specified Rate and Lump Sum**

Williamson County

SCOPE TASK NO.	TASK DESCRIPTION	PRINCIPAL	PROJECT MANAGER	SENIOR ENGR	STRUCT ENGR	PROJECT ENGR	QUALITY MANAGER	EIT	SENIOR ENGR TECH	JUNIOR ENGR TECH	ADMIN/ CLERICAL	TASK TOTALS	TOTAL LABOR HRS & COSTS
163.4	QUANTITIES	\$310.80	\$281.38	\$212.68	\$196.32	\$153.78	\$294.47	\$101.43	\$114.52	\$68.72	\$61.80		
	ROADWAY SUMMARIES			2		2		4	4			\$1,596.72	12
	DRAINAGE SUMMARIES											\$0.00	0
163.5	TRAFFIC CONTROL SUMMARIES			2					4			\$883.44	6
163.6	ESTIMATE FOR COSTS AT 80%, 95% AND 100%		1	1		4			4			\$1,587.26	10
163.7	DEVELOP GENERAL NOTES, SPECIFICATIONS, PROVISIONS			2		4						\$1,040.48	6
163.8	CONSTRUCTION TIME DETERMINATION & SCHEDULE PREP.		1	5								\$1,344.78	6
163.9	SWSPEROSION CONTROL PLANS (BY TCP PHASE)			1				2				\$415.54	3
	SELECT STDs FOR SW3PIEROSION CONTROL											\$0.00	0
	RETAINING WALLS												
	PRODUCE MSE RETAIN. WALL PLAN/PROF SHTS (ASSUME 4 SHTS)		1		10			20	40			\$8,853.98	71
	PRODUCE MISC. RETAINING WALL DETAIL SHEETS				8				24			\$4,319.04	32
	PRODUCE SOIL NAIL RETAIN. WALL PLAN/PROF SHTS (ASSUME 4 SHTS)											\$0.00	0
	PRODUCE TIE BACK RETAIN. WALL PLAN/PROF SHTS (ASSUME 8 SHTS)											\$0.00	0
	SELECT TXDOT RETAINING WALL STDs (ASSUME 5 SHEETS)				4				8			\$1,701.44	12
	CALCULATIONS FOR MSE WALLS				64							\$12,584.48	64
	HOURS SUB-TOTALS	0	3	17	86	10	0	34	100	0	0	\$37,781.64	250
	TOTAL LABOR COSTS	\$	\$ 844.14	\$ 3,615.56	\$ 16,883.52	\$ 1,537.80	\$	\$ 3,448.62	\$ 11,452.00	\$	\$		\$37,781.64
	% DISTRIBUTION OF STAFFING	0.00%	1.20%	6.80%	34.40%	4.00%	0.00%	13.60%	40.00%	0.00%	0.00%		
	SUBTOTAL (FC 183)												\$37,781.64
	TASK DESCRIPTION	PRINCIPAL	PROJECT MANAGER	SENIOR ENGR	STRUCT ENGR	PROJECT ENGR	QUALITY ENGR	EIT	SENIOR ENGR TECH	JUNIOR ENGR TECH	ADMIN/ CLERICAL	TASK TOTALS	TOTAL LABOR HRS & COSTS
170	BRIDGE DESIGN (FC 170)												
170.1	BRIDGE LAYOUT				4				6			\$1,472.40	10
	PREPARE THE CR 305 OVERPASS AT IH 35 BRIDGE LAYOUT PLAN SHEETS.											\$0.00	0
	DETERMINE SOIL BORING LOCATIONS FOR FDN DESIGN											\$0.00	0
	INCORPORATE TCP SHEETS											\$0.00	0
	ADD SOIL BORING / FDN DESIGN INFO TO LAYOUT SHEETS											\$0.00	0
	STRUCTURES TO DETERMINE											\$0.00	0
	(1) THE OPTIMUM BRDG BEAMS FOR VERT CLEARANCE											\$0.00	0
	(2) THE OPTIMUM BRDG STRUCT VS RDWY EMBANK. ETC.											\$0.00	0

11/20/17

**Attachment D - Fee Schedule
Specified Rate and Lump Sum**

Williamson County

SCOPE TASK NO	TASK DESCRIPTION	PRINCIPAL	PROJECT MANAGER	SENIOR ENGR	STRUCT ENGR	PROJECT ENGR	QUALITY MANAGER	EIT	SENIOR ENGR TECH	ENGR TECH	JUNIOR ENGR TECH	ADMIN/ CLERICAL	TASK TOTALS	TOTAL LABOR HRS & COSTS
	SUBMIT BRDG LAYOUTS FOR APPROVAL	\$310.80	\$281.38	\$212.68	\$196.32	\$153.78	\$294.47	\$101.43	\$114.52	\$94.89	\$68.72	\$81.80		
	LOCATE AND PLOT UTILITIES												\$0.00	0
	SHOW PROP. RET. WALLS												\$0.00	0
	SHOW STAGED CONSTRUCTION LIMITS AND SECTIONS.												\$0.00	0
170.2	BRIDGE DETAIL SUMMARY												\$0.00	0
	PREPARE QUANTITIES, ESTIMATES, AND SPECS.												\$0.00	0
170.3	BRIDGE STRUCTURAL DETAILS												\$1,014.32	6
	1. PERFORM CALCS. FOR DESIGN OF ABUT. STRUCTS.								2				\$0.00	0
	2. PERFORM CALCS. FOR DESIGN OF INTERIOR BENTS												\$0.00	0
	3. PERFORM CALCS. FOR BRIDGE SLAB DESIGN												\$0.00	0
	4. PERFORM CALCS. FOR PRE-STRESSED CONC. BEAM DESIGNS AND PREP. BEAM DESIGN TABLES												\$0.00	0
	5. PERFORM BRDG FOUND. DESIGN USING WINCORE												\$0.00	0
	6. PREP. NECESSARY FOUND. DETAILS AND PLAN SHTS.												\$0.00	0
	7. PREP. PLAN SHEETS FOR ABUT. DESIGN.								8				\$1,701.44	12
	8. PREP. PLAN SHEETS FOR BENT DETAILS												\$0.00	0
	9. PREP. FRAMING PLAN AND SLAB PLAN SHEETS												\$0.00	0
	10. COMPUTE AND PREP. TABLES FOR SLAB AND BEARING SEAT ELEV AND DEAD LOAD DEFLECTIONS												\$0.00	0
	11. PREP. BRDG. BEARING SEAT ELEV SHT												\$0.00	0
	12. SELECT AND INCLUDE NECESSARY BRDG STDs				1				2				\$425.36	3
	13. PREP. NECESSARY MODIFIED STDs.				2				4				\$950.72	6
	14. QA/QC EFFORTS ON DESCALS AND PLAN SUBMITTAL				4								\$785.28	4
	15. AESTHETICS												\$0.00	0
	HOURS SUB-TOTALS	0	0	0	19	0	0	0	22	0	0	0	\$ 6,249.52	41
	TOTAL LABOR COSTS	\$ -	\$ -	\$ -	\$ 3,730.08	\$ -	\$ -	\$ -	\$ 2,519.44	\$ -	\$ -	\$ -	\$ -	\$6,249.52
	% DISTRIBUTION OF STAFFING	0.00%	0.00%	0.00%	46.34%	0.00%	0.00%	0.00%	53.66%	0.00%	0.00%	0.00%	0.00%	
	SUBTOTAL (FC 170)													\$6,249.52

11/20/17

Attachment D - Fee Schedule
Specified Rate and Lump Sum

Williamson County

SCOPE TASK NO	TASK DESCRIPTION	PRINCIPAL	PROJECT MANAGER	SENIOR ENGR	STRUCT ENGR	PROJECT ENGR	QUALITY MANAGER	EIT	SENIOR ENGR TECH	ENGR TECH	JUNIOR ENGR TECH	ADMIN/ CLERICAL	TASK TOTALS	TOTAL LABOR HRS & COSTS
	CONTRACT RATE PER HOUR	\$310.80	\$281.38	\$212.68	\$196.32	\$153.78	\$294.47	\$101.43	\$114.52	\$84.89	\$68.72	\$81.80		
	DESCRIPTION												TOTAL MH BY FC	TOTAL COSTS BY FC
	TOTALS BY FUNCTION CODE FOR DESIGN/PS&E PHASE													
	ROUTE AND DESIGN STUDIES (FC110)												0	\$0.00
	SOCIAL, ECONOMIC AND ENVIRONMENTAL STUDIES, AND PUBLIC INVOLVEMENT (FC 120)												0	\$0.00
	PROJECT MANAGEMENT (FC 145)												18	\$4,260.08
	ROADWAY DESIGN CONTROLS (FC160)												129	\$14,805.69
	DRAINAGE (FC 161)												3	\$415.54
	SIGNING, MARKINGS, AND SIGNALIZATION (FC 162)												3	\$415.54
	MISCELLANEOUS (ROADWAY) (FC 163)												250	\$37,781.64
	BRIDGE DESIGN (FC 170)												41	\$6,249.52
	SUBTOTAL LABOR EXPENSES												444	\$63,928.00
	OTHER DIRECT EXPENSES													TOTALS
145	Mileage	100	Mile	\$0.560										\$56.00
145	Meals		Day/Person	\$41.00										\$0.00
145	Hotel		Day/Person	\$77.00										\$0.00
145	Overnight Mail - Letter Size	2	Each	\$25.00										\$50.00
145	Overnight Mail - Oversized Box		Each	\$45.00										\$0.00
145	8 1/2" X 11" BW Paper Copies	100	Sheet	\$0.10										\$10.00
145	11" X 17" BW Paper Copies	1,100	Sheet	\$0.20										\$220.00
145	Mylar (11" X 17")		Sheet	\$2.25										\$0.00
145	CD Archive		Each	\$1.50										\$0.00
	SUBTOTAL DIRECT EXPENSES													
	Grand Total Provider													\$336.00
														\$84,264.00

SUMMARY	
TOTAL COSTS FOR Provider ONLY	\$63,928.00
NON-SALARY (OTHER DIRECT EXPENSES) FOR Provider ONLY	\$336.00
GRAND TOTAL FOR WA #2	\$64,264.00

11/20/17