

CONTRACT FOR ENGINEERING SERVICES SUPPLEMENTAL AGREEMENT NO. 3 TO THE PROFESSIONAL SERVICES AGREEMENT

STATE OF TEXAS	
COUNTY OF WILLIAMSON	

THIS SUPPLEMENTAL AGREEMENT to contract for engineering services is by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and PBS&J, Inc. (the "Engineer") and becomes effective when fully executed by both parties.

WHEREAS, the County and the Engineer executed a contract on October 31, 2009;

WHEREAS, the not-to-exceed fee in Exhibit 1, Section 1, Item 1.1 limits the agreement to \$1,690,848.80; and,

WHEREAS, the "Compensation Cap" in Exhibit 1, Section 4, Item 4.3 limits the maximum amount payable under the agreement to \$1,780,000.00; and,

WHEREAS, the Hourly Rates in Exhibit II are limited to the rates noted; and,

WHEREAS, it has become necessary to amend the agreement.

AGREEMENT

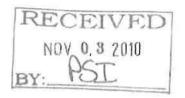
NOW, THEREFORE, premises considered, the *County* and the *Engineer* agree that said contract is amended as follows:

- 1. The not-to-exceed fee in Exhibit 1, Section 1, Item 1.1 is hereby increased from \$1,690,848.80 to \$1,949,711.66.
- II. The Compensation Cap in Exhibit 1, Section 4, Item 4.3 is hereby increased from \$1,780,000.00 to \$2,000,000.00.

All other provisions are unchanged and remain in full force and effect.

IN WITNESS WHEREOF, the *County* and the *Engineer* have executed this supplemental agreement in duplicate,

ENGINEER: By:	COUNTY: By:
Signature Ray	Signature
Printed Name	Printed Name
Diject Director	
Title	Title
11/2/10 Date	11 - 1 - 1 ° Date



Project Name: SH45N - O'Comor Interchange

ATTACHMENT A

WORK AUTHORIZATION NO. 4

This Work Authorization is made pursuant to the terms and conditions of the Agreement entered into by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and PBS&J, Inc. (the "Engineer").

Part1. The Engineer will provide the following engineering services:

Updated design including schematic and PS&E documents to complete modifications to bridges over Rattan Creek.. (See Exhibits A, B, C & D)

- Part 2. The maximum amount payable for services under this Work Authorization without modification is \$258,862.86.
- Part 3. Payment to the *Engineer* for the services established under this Work Authorization shall be made in accordance with the Agreement.
- Part 4. This Work Authorization shall become effective on the date of final acceptance of the parties hereto and shall terminate on <u>July 29, 2011</u>, unless extended by a Supplemental Work Authorization.
- Part 5. This Work Authorization does not waive the parties' responsibilities and obligations provided under the Agreement.

Part 6. This Work Authorization is hereby accepted and acknowledged below.

Exhibit B - Services to be Provided by Engineer

Exhibit C - Work Schedule

ENGINEER:	COUNTY:
/\PBS&J, Inc.	Williamson County, Texas
By: Cile La	By:
Signature	Signature
Clinton Ray	Dan A. Gattis
Printed Name	Printed Name
Project Director	County Judge
Title	Title
11/2/10	11-9-10
Date	Date
LIST OF EXHIBITS	M
Exhibit A - Services to be Provided by County	/*

Exhibit D - Fee Schedule(based on approved rates in PSA Exhibit II executed by Commissioners Court action)

EXHIBIT B ADDITIONAL SERVICES TO BE PROVIDED BY THE ENGINEER WORK AUTHORIZATION NO. 4

November 03, 2010

SCOPE OF WORK:

The Engineer will redesign the Eastbound Frontage Road (EBFR) bridge, Westbound Frontage Road (WBFR) bridge, and Ramp East-South Direct Connector (RESDC) bridge to remove all bridge columns from the Ordinary High Water Mark (OHWM) for Rattan Creek.

The Engineer will update all the plan sheets from the 90% design plans, specifications and estimates (PS&E) for the SH 45 – O'Connor Drive project affected by the design changes.

The Engineer will prepare new 90% PS&E documents and deliver them to Williamson County, TxDOT Austin District, and TxDOT TTA prior to the 90% review of the plans.

The PS&E services provided under this Work Authorization will cover all the areas impacted by the redesign and will consist of items in the categories listed below and as described within Exhibit D:

- Project Management
- · Roadway Design
- Drainage Design
- Bridge Design
- Traffic Design
- Miscellaneous

The services not described within this Work Authorization (Exhibit B and Exhibit D) and variations to the concept provided shall not be performed unless authorized by TxDOT Austin District and Williamson County through a supplemental agreement.

Project Management

Additional services to be provided are as follows:

- 1. Design
 - Coordination needed for approval of the redesign from the TxDOT-Austin District, TxDOT-Georgetown Area Office, and TxDOT-TTA.
 - Coordinating the maintenance area design with the TTA Tolls Integrators (Jacobs, Arcadis, and Raytheon) for the RESDC including toll gantry and cabinet locations, maintenance vehicle access, and conduit routing through the bridge deck.
- Environmental
 - o Gathering updated information from TxDOT needed for the EPIC plan sheet.
 - o Monthly meetings related to the development of the environmental document.
- Drainage
 - Coordinating with TCEQ regarding the update to the WPAP as a result of the redesign.
- 4. General
 - o Coordination meetings with Williamson County including commissioner meetings.
 - o Plans production meetings with design staff from the various disciplines during the redesign.
 - Review of plan set changes with Williamson County prior to final submittal.

Roadway Design

Additional services to be provided are as follows:

- 1. Design changes for all three phases of the traffic control plan (TCP) including redesign of barrier location, barrier tapers, and work zone pavement markings.
- 2. Changes to affected plan sheets for all three phases of the TCP.
- 3. Design of a new RESDC alignment and profile as well as superelevation and sight distance calculations.
- 4. Design of a new RESDC maintenance area, including AutoTurn and sight distance analysis for maintenance vehicles.
- 5. Changes to affected horizontal alignment data, plan and profile, and removal sheets.
- 6. Design changes to retaining wall alignment and profile for Wall 09.
- 7. Changes to the affected retaining wall sheets.
- 8. Recalculating all affected TCP, roadway, removal, and retaining wall quantities and changing the corresponding quantity summary plan sheets.

The 90% cross sections will not be affected by the redesign and additional services will not be provided to revise them.

Drainage Design

Additional services to be provided are as follows:

- 1. Design changes to the proposed deck drains along the EBFR, WBFR, and RESDC as well as changes to the existing deck drains along the East-South Direct Connector.
- 2. Design changes to the drainage areas and hydraulic data for the affected deck drains.
- 3. Design changes to the hydraulic data for Rattan Creek.
- 4. Design changes to the grading plans under the EBFR, WBFR, and RESDC bridges.
- 5. Changes to the affected drainage area map, hydraulic data, drainage plan, bridge deck drain detail, and Rattan Creek sheets.
- 6. Design changes to the erosion control (SW3P) plan in the areas under the EBFR, WBFR, and RESDC bridges.
- 7. Changes to the affected erosion control, water quality, and environmental (EPIC) sheets.
- 8. Changes to the 100-year flood elevation model to keep it consistent with the proposed design.
- 9. Changes to the 100-year flood elevation shown on plan sheets.
- 10. Changes to the Water Pollution Abatement Plan (WPAP) including recalculating the impervious cover, updating the WPAP report, and coordinating the updated WPAP submittal with TCEQ.
- 11. Recalculating all affected drainage, erosion control, and water quality quantities, and changing the corresponding quantity summary plan sheets.

The 90% scour analysis and hydraulic report will not be affected by the redesign and additional services will not be provided to revise them.

Bridge Design

Eastbound Frontage Road (EBFR) Bridge

The ENGINEER will modify the EBFR Bridge from Station 418+50.49 to Station 421+79.04 to remove Bent 6 from the OHWM boundaries and add two additional bent caps. Due to this modification, the existing 3-span bridge unit will become 4-span unit with different span length.

Westbound Frontage Road (WBFR) Bridge

The ENGINEER will modify the WBFR Bridge from Station 418+81.33 to Station 422+48.83 to remove Bent 6 from the OHWM boundaries and add two additional bent caps. Due to this modification, the existing 3-span bridge unit will become 4-span unit with different span length.

Ramp East-South Direct Connector (RESDC) Bridge

Compared to the previous bridge design, the RESDC is a new alignment bridge with more spans and a longer area where widening of the existing East-South Direct Connector is necessary. The ENGINEER will redesign the RESDC and extend the bridge limit to provide a final design without bridge columns within the OHWM boundaries.

The ENGINEER shall modify the plans to change and add new sheets as well as redesign the three affected bridges.

Additional services to be provided are as follows:

- 1. Modify bridge layout and profiles.
- 2. Prepare beam report and bearing seat elevations (RDS).
- 3. Modify summary tables of bridge structure quantities.
- 4. Provide foundation layout.
- 5. Modify foundation detail sheet.
- 6. Provide new bent details.
- 7. Provide superstructure beam layout.
- 8. Provide bridge slab layout.
- 9. Provide prestressed concrete beam schedule.
- 10. Recalculating all affected quantities and changing the corresponding quantity summary plan sheets.

The 90% O'Connor and Ramp North-West Direct Connector plans will not be affected by the redesign and additional services will not be provided to revise them.

Traffic Design

Additional services to be provided are as follows:

- 1. Design changes to all signs and delineators affected by the redesign.
- 2. Design changes to all pavement markings affected by the redesign, specifically along the EBFR RESDC, and the existing East-South Direct Connector.
- 3. Changes to all Traffic Management System, Illumination, Signing, and Pavement Marking sheets affected by the redesign.
- 4. Recalculating all affected pavement marking quantities and changing the corresponding quantity summary plan sheets.

The 90% signal design and overhead sign plans will not be affected by the redesign and additional services will not be provided to revise them.

Miscellaneous

Additional services to be provided are as follows:

- 1. Changes to miscellaneous sheets affected by the redesign, specifically the project layout, soil boring layout, and index of sheets.
- 2. Developing exhibits needed to communicate the design changes to TxDOT Austin District, and TxDOT-TTA for their approval.
- 3. Developing exhibits related to the environmental document and public meetings.
- 4. Recalculating the cost estimate based on all the quantity changes.
- 5. Compiling the new plan sets and cost estimates for submittal.

Deliverables

The Engineer shall make new copies of the 90% plan set for delivery to Williamson County, TxDOT Austin District, and TxDOT TTA. The submittals shall consist of a total of eight (8) 11"x17" paper sets in two volumes.

The Engineer shall develop exhibits for use in acquiring approval for the design changes from Williamson County, TxDOT Austin District, and TxDOT TTA.

The Engineer shall develop exhibits showing the revised design for inclusion in the environmental document.

EXHIBIT C WORK SCHEDULE

The Engineer shall complete the Work Authorization within 359 calendar days, commencing upon the issuance of Notice to Proceed and Receipt of documents to be provided by the COUNTY as specified in Exhibit A.

Schedule of Anticipated Milestones

NTP

Revisions to 90% Plans

TxDOT 100% Plan Review

(they may skip to this)

Final Submittal

Letting

November 02, 2010

December 20

February 18, 2011

March 11, 2011

June 2011



	Sheets	Hours	Labor Cost	Expenses	THE L								
Project Management	N/A	154	\$26,887.02	\$250.00	\$2								
Roadway Design	27	234	\$22,774.82	\$0.00	\$2								
Drainage Design	22	369	\$39,996.07	\$0.00	\$3								
Bridge Design	63	1,195	\$146,527.80	\$962.20	\$14								
Traffic Design	10	74	\$9,084.82	\$0.00	5								
Miscellaneous	5	100	\$9,860.13	\$2,520.00	\$1								
Total	127	2,126	\$255,130.66	\$3,732.20	\$25								



		Senior Project Manager	Project Manager	Admin / Clerical	Senior Engineer IV	Sonior Engineer III	Senior Engineer II	Senior Engineer (Engineer I, II, III	CADD Designer	Tre
					CRN, Outme			Adversor	Durmer		
	Rate - Contract Rate	\$152.73	\$129.24	\$67.56	\$208.54	\$155.67	\$140.99	\$108.68	593.99	\$105.74	S
PROJECT MANAGEMENT					1					1	1
Design Coordination								V			
3. Approval of Design from TTA					8				4		1
b. TTA Meeting					2				2	8	1
c. Approval of Design from TxDOT					8				4		
d. TxOOT Meeting		- 3			2				2		
e. Approval of Design from Williamson County					8			J.	4		
1. Coordinate Design of Ramp Maintenance Area with Tolls Integrators					16				16		1
	Subtotal				44			1	32		
2. Environmental Coordination										3 4	
Gathering Updated Information for EPIC Sheet				į (i.	4		0			E	
5. Monthly Meeting (4 months)					16						
	Subtotal	3			20			ė.			
3. Drainage Coordination		- 13									
a. Updating TCEO on revised WPAP			5 5				D	4			
	Subtotal	- 1						4			1
4. General Coordination			S		1],	
a. Commissioner (1/month x 7 months)		- 0			28					1	
b. Production Meetings			2		6				2		1
c. Plan Sat Changes Review		-2	4		8				4		
	Subtotal		6		42				6	Z	1
	Total	0	6	0	106	0	0	4	38	1 0	1
	Total Labor Cost	\$0.00	\$775.44	\$0.00	\$22,105,24	\$0,00	\$0.00	\$434.72	\$3,571.62	\$0.00	1

DIRECT COST ITEMS	AMOUNT	UNIT	RATE	TOTAL
PORTI	500	mi	\$0.50	\$250.00
			1	
_				
	10	TAL EXPENS	SES	\$250.00

	Number of Sheets	Senior Project Manager	Project Manager	Admin / Clorical	Sonior Engineer IV	Senior Engineer III	Senior Engineer II	Sonior Engineer I	Engineer I,	CADD Designer	To
Task Specified Rate - Contract Rate		\$152.73	\$129.24	\$67.56	\$208.54	\$155.67	\$140.99	\$108.68	\$93.99	\$105.74	-
ROADWAY DESIGN											
1. TCP Design							- 0:				
Phase I Step 4 - Change Barrier Location and Tapers			0.5						2		
b. Phase I Step 4 - Change Work Zone Pavement Markings			0.5						2		ī
c. Phase II Step 1 - Change Barner Location and Tapers		7.5	0.5						2		
d. Phase II Step 1 - Change Work Zone Pavement Markings			0.5						2		
e. Phase III Step 2 - Change Work Zone Pavement Markings			0.5						2		
1. TCP Quantities			0.5						4		
OC Design Changes							2		1		
h. Address OC Comments									2		
Subtotal			3				2		16		
2. TCP Sheet Changes			0	8							
a. Summary of Traffic Control Quantities	1		0,5	- 7							
b. Traffic Control Plan Overview	3		0.5	-	1						
c. Traffic Control Plan Advance Warning Signs	1		0.5								
d. Traffic Control Plan Phase I Step 2 SH 45	2		0.5								
e. Traffic Control Plan Phase I Step 4 SH 45	2		0.5		!						1
Traffic Control Plan Phase II Step 1 SH 45	3		0.5								
g. Traffic Control Plan Phase III Step 1 SH 45	1		0.5				- 2				1
h. Traffic Control Plan Phase III Step 2 SH 45	3		0.5								
I. OC Sheet Changes							4			- 1	
Address OC Comments					1				4		1
Subiotal	16		4.0			1	4		4		-
3. Roadway Design	- 10	-91	4.0	-							
a. New RESDC Alignment			0.5					_	8		
b. New RESDC Profile			0.5				_		8		-
c. New RESDC Superelevation			0.5					_	4		-
d. New RESDC Sight Distance Calculations			0.5						4		-
New RESDC digit distance Cardinations New RESDC Maintenance Area Design		- 2	0.5						4		-
f. New RESDC Maintenance Area AutoTurn Analysis			0.5						4		i
g. New RESDC Maintenance Area Sight Distance Analysis			0.5						4		-
h. Roadway Quantities			0.5						4		_
I. Removal Quantities			0.5						4		_
, QC Design Changes							8				
k. Address QC Comments									8		1
Subtotal			4.5	3			8		52		1
4. Roadway Sheet Changes											
a. Summary of Roadway Quantities	1		0.5						i		!
b. Summary of Removal Quantities	1		0.5								\vdash
c Honzontal Alignment Data Ramps	1		0.5								
d. EB Frontage Road Plan and Profile	2		0.5								
e. Ramp East-South DC Plan and Profile	1		0.5	_							
SH 45 Removal Layout	1		0.5			l —					
g. OC Sheet Changes	-		0.0		1		8		_		
				-					8		
h. Address OC Comments	7		3.0				8		8		-
Subtotal	,		3.0					_			
5. Retaining Wall Design			0.5			-			4		
a. Change Wall *09* Alignment									4		-
b. Change Wall "09" Profile			0.5						4		-
c Retaining Wall Quantities			0.5	_			4		4		-
d. OC Design Changes							4		4		—
Address OC Comments							-			1	\vdash
Subtotal			1,5				4		16		<u> </u>
5. Retaining Wall Sheet Changes											_
a. Summary of Retaining Wall Quantities	1_		0.5								
b. Retaining Wall Location Map	;		0.5								
c. Retaining Wall Layout Wall "06"	1		0.5								
d. Retaining Wall Layout Wall "09"	1		0.5								
e. OC Sheet Changes							4				
Address OC Comments			T		V.				4		
Subtotal	4		2.0				4		4		
Total	27	0	18.0	0	0	0	30	0	100	0	
Total Labor Cost		\$0.00	\$2,326.32	\$0.00	\$0.00	\$0.00	\$4,229,70	\$0.00	\$9,399.00	\$0.00	56

DIRECT COST ITEMS	AMOUNT	UNIT	RATE	TOTAL
		1	- 9	\$0.00
		7.7		\$0.00
		i		
	T			
			cor Con U	
	 TO	TAL EXPENS	ES	\$0.00

	Number	Senior Project	Project	Admin /	Sonior	Sonior	Senior	Senior	Engineer I,	CADD
	Shoets	Managor	Manager	Clorical	Engineer IV		Engineer II	Engineer 1	R, 10	Design
Task Specified Rate - Contract	t Rate	\$152.73	\$129.24	S67.56	5208.54	\$155.67	\$140,99	\$108.68	\$93.99	\$105.7
DRAINAGE DESIGN		0.00.00		50.20	0200.01	9100101	0.40.55	0.00.00	030.33	3.03.7
Drainage Design					1					
Update Bridge Deck Drain Locations			0.5				16	3	4	
b. Bridge Coordination			0.5			1	16			
c. Update Drainage Areas - WBFR, EBFR, RESDC			0,5			11	8	В	8	
d. Update Hydraulic Calculations - Deck Drains			0.5			- 3	16	В	8	
e. PVC Pipe Design			0.5				16	8	8	
I. Update Hydraulic Calculations - Rattan Creek			0.5				4	8	8	
c. Update Grading Under WBFR, EBFR, RESDC			0.5		1		1	4	4	
h. Update Drainage Quantities			0.25	V 10			1	4	4	
Update Cut and Fill Calculations			0.25					8	8	
i. OC Design Changes			1.20			8				_
k. Address OC Comments								4		1
	btotal		4			8	78	60	52	
Drainage Sheet Changes			1						-	
a. Summary of Drainage Quantities	1 1		0.5							
b. Overall Drainage Area Map	1 1		0.5							
c. Drainage Area Map SH 45	3		0.5		-		_			
d. Hydraulic Data Rattan Creek Bridge	1	_	0.5				_			
6 Hydraulic Data Hall III CINEK Bridge	1 4		0.5		_					
1. Drainage Plan SH 45	2		0.5							
o Orain Detnii Table	1 1		0.5					1		_
h Ratton Greek Sheets	3		0.5							_
i OC Sheet Changes	-	_	0.0		1	8				
L Address OC Comments			_		1		_	8		
	biotail 16		4			8		8		
Erosion ControlWater Quality/Environmental Design	Diolar, 15	_								
a Update Erosion Control Design			1				-	4		
b OC Design Changes			<u> </u>			1				
c. Address OC Comments	_		1			<u> </u>		1		
	btotal		1		_	1		5		
Erosion Control/Water Quality/Environmental Sheet Changes	Jidiaii				_	<u> </u>				-
a. Summary of Erosion Control Quantities	1 1		0.5							
b. Erosion Control SH 45	2		0.5							
c. Water Quality Overall Lavour	1		0.5							_
d. Water Quality Pond Layout	- i		0.5							
e. Environmental Permits, Issues, and Commitments (EPIC)	1		0.5							
OC Sheet Changes		i e	0.0			1				
g. Address OC Comments								1		
	btotall 6	-	2.5		1	1		1		
100-Year Flood Analysis	Diolan o		2.5							
a. Update HEC-RAS Model		_	1					12		
b. Update 100-Year Flood Elevation on Plan Sheets			1		_			16		
c. OC Model Changes	_					2				
d. Address QC Comments						-		1		
	btota!		2		1	2	i	13		
WPAP	Dioigi		-			-		13		
	_		1		1		_	4		
a. Update Impervious Cover Calculations			1				1	4		
b. Update Report			:1:		1			4		
c. OC WPAP Changes					1	1		1		_
d, Address OC Comments		-				-				_
	btotal		2			1	-	96	52	
	Total 22	0	15.5	0	0	21	78			1 0

DIRECT COST ITEMS		AMOUNT	TIMU	RATE	TOTAL
					\$0.00
			- 3	0	\$0.00
The state of the s	Personal Company of the Company of t	TO	TAL EXPENS		\$0.00



		of hoots	Senior Project Manager	Project Manager	Admin / Clerical	Senior Engineer IV	Senior Engineer III	Senior Engineer II	Senior Engineer I	Engineer I.	CADD Designer
Task Specified Rate - Contra	ct Rate	1	\$152.73	S129.24	\$67.56	\$208.54	\$155.67	S140.99	\$108.68	\$93.99	S105.74
BRIDGE DESIGN											
EB Frontage Rd - Modify bridge unit from 3 to 4 spans					S.						$\overline{}$
Modify bridge layout and profiles		2				2		10			-
b. Prepare beam report and bearing seat elevations (RDS)		3				4		24			
c. Modify summary tables of bridge structure quantities		1				4		16			
e. Modify foundation detail sheet	$\overline{}$	2	$\overline{}$			4		16			
f. Provide now bent details		1				10		24			
g. Provide superstructure beam layout	$\overline{}$	1				4		16			
h. Provide bridge slab layout	$\overline{}$	1				2		12			
i. Prestressed concrete beam schedulo		1	$\overline{}$			1		3			
. Ouality Control and Quality Assurance	-					12					
	Subtotal 1	12	$\overline{}$			43		121			
2. WB Frontage Rd - Modify bridge unit from 3 to 4 spans	JUNOIS.	-	$\overline{}$								-
Mooily bridge layout and profiles		2	- 1			2		10			
b. Prepare beam report and bearing seat elevations (RDS)		3				4		24			
c. Modify summary tables of bridge structure quantities.		1	$\overline{}$			4		16			
e. Modify foundation detail sheet		2	$\overline{}$	$\overline{}$		4	1	16		 	
f. Provide new pent details		1	\rightarrow			10		24		 	
g. Provide superstructure beam layout		1	\rightarrow			2		16			
h. Provide bridge slab layout		1	$\overline{}$			2		12		1	
i. Prestressed concrete beam schadule		1	\rightarrow			1		3		 	
Ouality Control and Ouality Assurance	-	-	$\overline{}$	1		12		-			
	Subtotal 1	12	$\overline{}$		- 8	41		121	-		
B. Ramp East-South DC - New Bridge Design	/Dioran	12	\rightarrow			-				1	
a. Bridge layout and profiles		3	$\overline{}$			3	-	36	-	1	
b. Prepare beam report and beanno seat elevations (RDS)		4	\longrightarrow			8		40	\vdash		
c, Summary tables of bridge structure quantities		1	$\overline{}$			8		8			
d. Provide foundation layout		1	\rightarrow			6		5			
e. Foundation detail sheet		3	$\overline{}$			6		32			
I. Bent details		18	-			12		96			
g. Superstructure beam Inyout		3				4		12			
h. Prostressed concrete beam units		5				4		20			
i. Prontressed concrete beam schedule		1				2		12			
Ouality Control and Quality Assurance						22	-				
9	Subtotal 3	39				75		264		9	
	Total 6	63	0	0	0	159	0	506	0	0	0
Total Labor	r Cost		\$0.00	\$0.00	00.02	\$33,157.86	50.00	571,340.94	\$0.00	\$0.00	\$0.00

DIRECT COST ITEMS	AMOUNT	UNIT	RATE	TOTAL
Mileage	400	milo	\$0.50	\$200.00
Airfare (in state/out of state)		round trip	\$300 00	\$0.00
Car Rental	2	day	\$80.00	\$160,00
Paper Roll Plot		plot	\$0.75	\$0,00
Paper Plot B&W (11x17)	378	plot	\$1.50	\$567.00
Paper Plot Color (11x17)		plot	\$2.00	\$0.00

to attend review meeting

to attend review meeting



		Number of Sheets	Senior Project Manager	Project Manager	Admin / Clorical		Sonior Engineer III	Senior Engineer II	Sonior Engineer I	Engineer I, II, III	CADD Designer
Task	Specified Rate - Contract Rate		\$152.73	S129.24	\$67.56	\$208.54	S155.67	\$140,99	\$108.68	\$93,99	\$105.74
Traffic Design			0102.10	5.25.27	307.55	32.00.04	0100.01	3140.00	3100.00	33023	3103.74
Traffic Management System Sheet Changes						1		1			
a. Traffic Management System Layout		2	2								4
b. OC Sheet Changes				100		0.5					
c. Address OC Comments						1					0.5
	Subtotal	2	2			0,5			i -		4.5
2. Illumination Sheet Changes	Sportors					1 0.0					4.0
a. Illumination Layouts		2	2								4
b. OC Sheet Changes						1					
c. Address OC Comments						1					1
	Subtotal	2	2			1.0					5.0
3. Signing Design	Socialin					1					
a. Change Sign Locations	-		1			1	1		2	1	
b. Change Reflector Locations			1		-	1			2		
c. QC Design Changes						1 1					
d. Address OC Comments						1			0.5	—	
o. Hourean de Comments	Subtotal		2		_	1.0			4.5	1	1
4. Signing Sheet Changes	Cobiogn					110			-		1
a. Signing Layout SH 45		2	1			1					1 8
b. OC Sheet Changes		-				1		i			
c. Address OC Comments						1					0.5
	Subtotal	2	1			1,0				1 2 2	8.5
5. Pavement Marking Design			1,550								
Change EB Frontage Rd Pavement Markings			0.5						8		
b. Change Ramp Pavement Markings			0.5						4		
c. Change East-South DC Pavement Markings			3.5						4		
d. Pavement Marking Quantities			0.5						4		
e OC Design Changes						1 1					
1. Address OC Comments									1		
	Subtotal		2			1.0			21.0		
5. Pavement Marking Sheet Changes							1 3			12.	
a. Summary of Pavement Marking Quantities		1	1			1					4
b. Pavement Marking Layout SH 45		3	1								8
c QC Sheet Changos						2		0			
d. Address OC Comments						ile .					1
	Subtotal	4	2	3		2.0		- P			13.0
	Total	10	11	0	0	6.5	0	0	25.5	0	31
	Total Labor Cost		\$1,680.03	\$0.00	\$0.00	\$1,355.51	\$0.00	\$0.00	\$2,771.34	\$0.00	\$3,277.94

DIRECT COST ITEMS		AMOUNT	UNIT	RATE	TOTAL
	1				\$0.00
					\$0.00
				11.	
		TO	TAL EXPENS	ES	\$0.00

		Number of Sheets	Senior Project Manager	Project Manager	Admin/ Clerical	Senior Engineer IV	Senior Engineer III	Senior Engineer II	Sonior Engineer I	Engineer 1, 3, 111	CADD Designer
Task	Specified Rate - Contract Rate		\$152.73	S129.24	\$67.56	S208.54	\$155.67	\$140.99	\$108.68	\$93.99	\$105.74
Miscellaneous Design			J. J.L. 10	0.123.24	307.30	1 3230.54	3.05.07	3, 40,33	\$100.00	\$20.23	3103.74
Miscellaneous Sheet Changes				-			-			_	
a. Project Layout	-10-	1		3							1
b. Soil Boring Layou!		1		0.5							
c. Index of Sheets		3		0.5							
d. DC Sheet Changes								1			
e. Address OC Comments						1					
	Subtotal	5		2				1			
2 Exhibits					- %						
a. TTA Approval Exhibits				2						8	
 TxDOT Approval Exhibits 				1						8	
c. Public Meeting Exhibits				1			0.0			24	
	Subtotal			4						40	
3 Cost Estimate						1					
Change Cost Estimate										4	
b OC Changes								2			
c. Address OC Comments										2	
	Subtotal							2		6	
4, Plan Set						1 1					
a. Compile Updated Plan Set				1			90			8	
 b. OC Overall Plan Set Changes 				0.5				8			
c. Address OC Comments				0.5						4	
	Subtotal			2				8		12	
	Total	S	0	8	0	0	0	11	0	58	0
	Total Labor Cost		\$0.00	\$1.033.92	\$0.00	\$0.00	\$0.00	\$1,550.89	\$0.00	\$5,451,42	\$0.00

DIRECT COST ITEMS	AMOUNT	UNIT	RATE	TOTAL
Exhibits	120	linear loot	\$7.50	\$900.00
Updated Plan Sets (11"X17" B/W Paper Copies)	10000	shoot	\$0.15	\$1,500.00
Local Delivery/Courier	4	each	\$30.00	\$120.00
L 0 - 10 - 100			_	
	TO	TAL EXPENSE	s	\$2,520,00

O'Connor Cost Plus Fixed Fee Rates

CATEGORY		HOURLY	LOADED
OATEGOTT		RATE	HOURLY RATE
Senior Project Manager		\$52.00	\$152.73
, and the second		402.00	ΨΙΟΣΙΙΟ
Project Manager		\$44.00	\$129.24
Admin / Clerical		\$23.00	\$67.56
Senior Engineer IV		\$71.00	\$208.54
Senior Engineer III		\$53.00	\$155.67
Senior Engineer II		\$48.00	\$140.99
Senior Engineer I		\$37.00	\$108.68
Engineer I, II, III		\$32.00	\$93.99
Senior Technichal Coordinator		\$43.00	\$126.30
Senior Scientist IV		\$58.00	\$170.36
Senior Scientist I & II		\$35.00	\$102.80
Senior Surveyor IV		\$54.50	\$160.08
Senior Surveyor III		\$44.50	\$130.71
Senior Estimator/ Scheduler II		\$40.00	\$117.49
CADD Designer		\$36.00	\$105.74
Senior CADD Technician		\$27.00	\$79.30
Senior Field Representative I & II		\$24.50	\$71.96
3-Person Field Crew		\$175.00	\$175.00
Overhead Multiplier	162.25%		
Profit	12%		
Multiplier	2.9372		

OK 11/02/2010



WILLIAMSON COUNTY PROFESSIONAL SERVICES AGREEMENT TRACKING SPREADSHEET

		AMOUNT			
DESCRIPTION		SUPP TO BASE	WORK AUTHORIZATION	SUPP TO WORK AUTHORIZATITON	DOLLARS
O'Connor Interchange PS&E (Time & Money)	PSA		WA 1		\$1,439,860.
Concept Report & Memorandum - Alternative Evaluations	PSA	S1	WA 1	S1	\$83,609.20
Time Extension			WA 1	S2	No Change
			WA 1	\$3	No Change
O'Connor Interchange PS&E (Time & Money)	PSA	S2			
Identification of Ordinary High Water Mark - Scope added and Scope on hold			WA 2		\$4,659.03
Additional Design Services (Approved to submit to PSI - under development)			WA3		\$162,720.0
Modifications to plans to avoid ordinary high water mark			WA4		\$258,862.8
			_		
TOTALS					\$1,949,711.