

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

ENGINEER:

By: Thomas W. Lowe
Signature

Thomas W. Lowe, P.E.
Printed Name

Program/Group Manager
Title

08/31/09
Date

COUNTY:

By: [Signature]
Signature

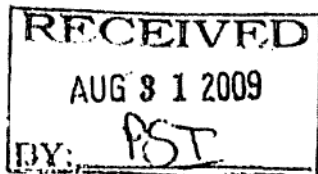
Dan A. Gattis
Printed Name

County Judge
Title

9-29-09
Date

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Project Name: SH45N – O'Connor Interchange

**ATTACHMENT A
SUPPLEMENTAL NO. 1 TO
WORK AUTHORIZATION NO. 1.**

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"*).

Part 1. The *Engineer* will provide the following engineering services:

Development of a Concept Report for the SH45N-O'Connor Interchange project (See Exhibits A, B, C & D)

Part 2. The maximum amount payable for services under this Work Authorization without modification is increased by \$83,609.20 to \$1,523,469.73.

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 No Change, unless extended by a Supplemental Work Authorization.

Part 5. This Work Authorization does not waive the parties' responsibilities and obligations provided under the Agreement.

ATTACHMENT A (con't.)

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

ENGINEER:

PBS&J, Inc.

By: Thomas W. Lowe

Signature

Thomas. W. Lowe, P.E.

Printed Name

Program/Group Manager

Title

08/31/09

Date

COUNTY:

Williamson County, Texas

By: Dan A. Gattis

Signature

Dan A. Gattis

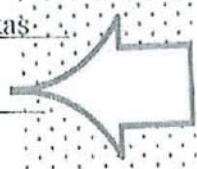
Printed Name

County Judge

Title

9-29-09

Date



LIST OF EXHIBITS

Exhibit A - Services to be provided by County

Exhibit B - Services to be provided by Engineer

Exhibit C - Work Schedule

Exhibit D - Fee Schedule

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EXHIBIT A SERVICES TO BE PROVIDED BY THE COUNTY

INTRODUCTION:

Williamson County in collaboration with The Texas Department of Transportation (State) has commissioned the services of PBS&J to develop a concept report for determining the most feasible alternative for the SH 45N-O'Connor Drive Interchange.

PROJECT DESCRIPTION:

This project consists of engineering and technical services for the re-design of the May 2006 design plans, specifications and estimates (PS&E) and related documents for the improvements to SH 45 North from station 400+00 just west of O'Connor Drive to Station 420+00 east of O'Connor Drive. The revisions to this plan set will reflect the impacts of moving the previous alignment of O'Connor Drive approximately 360 feet to the east. The modifications to O'Connor Drive will be from SH 45 North to approximately 750 feet north of SH 45 North and will tie into proposed O'Connor roadway designed by others.

The County shall furnish to the Engineer the following items:

1. Roadway design requirements.
2. Assistance will be provided to the Engineer to obtain the required data and information from other local, regional, State and federal agencies.
3. Timely review and decisions necessary for the Engineer to maintain the contracted project schedule.
4. Project technical and administrative standards and procedures.

EXHIBIT B

SERVICES TO BE PROVIDED BY THE ENGINEER

INTRODUCTION:

Williamson County in collaboration with The Texas Department of Transportation (State) has commissioned the services of PBS&J to develop a concept report for determining the most feasible alternative for the SH 45N-O'Connor Drive Interchange.

PROJECT DESCRIPTION:

This project consists of engineering and technical services for the re-design of the May 2006 design plans, specifications and estimates (PS&E) and related documents for the improvements to SH 45 North from station 400+00 just west of O'Connor Drive to Station 420+00 east of O'Connor Drive. The revisions to this plan set will reflect the impacts of moving the previous alignment of O'Connor Drive approximately 360 feet to the east. The modifications to O'Connor Drive will be from SH 45 North to approximately 750 feet north of SH 45 North and will tie into proposed O'Connor roadway designed by others.

SCOPE OF WORK:

The intent of the Concept Report is to obtain buy-off from all shareholders: City of Round Rock, TxDOT and Williamson County. The Engineer will evaluate a minimum of four (4) Options. All options shall utilize the existing ROW Footprint and facilitate traffic movements to and from O'Connor Drive, SH45N and LP1 N. The Engineer shall utilize a 2 Phase approach in order to coordinate and obtain input from all shareholders: Phase 1- Alternative Cost Analysis, Phase 2 – Concept Report.

Phase 1- Alternative Cost Analysis:

The Engineer shall provide the following services as part of Phase 1:

- Facilitate coordination meetings between all shareholders.
- Develop exhibits and alternatives for each meeting.
- Develop Meeting Agendas and Meeting Summaries for documentation.
- Perform Action items requested by shareholders in order to keep the project moving forward.
- Develop Concepts based on existing layout and modifications requested by share holders.
- Develop Cost Estimates.
- Develop a memorandum which summarizes the evaluation of the shareholders concepts.

Phase 2- Alternative Concept Report:

The Engineer shall provide the following services as part of Phase 2:

- Facilitate coordination meetings between all shareholders.
- Develop Meeting Agendas, Meeting Summaries and Action Items.
- Refine options/exhibits for inclusion in Concept Report.
- Develop a list of impacts for each option.
- Develop and evaluate traffic movements for each option
- Develop and update Cost Estimates for each option
- Develop Implementation Schedules for each option
- Evaluate and Compare each option.
- Compile a bound document (Concept Report) for submittal to all shareholders.

The PS&E services provided under this Work Authorization will consist of items listed below as described within Exhibit D:

FC 110 – Route & Design Studies

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 Williamson County through a supplemental agreement.

Deliverables

- (1) Memorandum – SH45 / O'Connor Interchange Evaluation of Design Concepts
- (2) Concept Report – SH 45 – O'Connor Interchange

EXHIBIT C WORK SCHEDULE

The Engineer shall complete the work authorization within 183 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. **(No Change In Schedule)**

EXHIBIT D
FEE SCHEUDLE
SH 45 - O'Connor
Summary Sheet

PBS&J Labor Subtotal	Cost	Hours
FC 110 - Route and Design Studies	\$83,114.20	720
Totals	\$83,114.20	720

Expenses \$495.00

	Summary
PBS&J Labor	\$83,114.20
Subconsultants Labor	\$0.00
Expenses	\$495.00
Total	\$83,609.20

	Summary By Task	Man-Hours
Total by Task	Fee Estimate	
FC 110 - Route and Design Studies	\$83,114.20	720
Expenses	\$495.00	
Total	\$83,609.20	720

**EXHIBIT D
SH 45 - O'Connor
Concept Report**

FC 110 - Route and Design Studies		Br. Project Manager	Project Manager	Admin./ Clerical	Br. Engineer IV	Br. Engineer III	Engineer I, II & III	Br. Technical Coordinator II	CADD Designer	Hours
Specified Rate: Professional Services Agreement - O'Connor - Williamson County		\$162.73	\$129.24	\$67.68	\$208.64	\$108.88	\$83.89	\$126.30	\$105.74	
		Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	
FC 110 - Route and Design Studies										
A. Alternative Cost Analysis										
1	Development of Concepts									
a.	Coordination Meetings (2hrs/Meeting - 4 meetings)		8.0							8
b.	Data Collection and Option Evaluations and Reductions		2.0		4.0		16.0			22
c.	Development of Option 1 (Hor., Vert., Ctr. Calcs, Supers, etc.)		2.0		4.0		24.0			30
d.	Development of Option 2 (Hor., Vert., Ctr. Calcs, Supers, etc.)		2.0		4.0		24.0			30
e.	Development of Option 3 (Hor., Vert., Ctr. Calcs, Supers, etc.)		2.0		4.0		24.0			30
f.	Development of Option 4 (Hor., Vert., Ctr. Calcs, Supers, etc.)		2.0		4.0		24.0			30
g.	Cost Estimate of Option 1		1.0		2.0		8.0			11
h.	Cost Estimate of Option 2		1.0		2.0		8.0			11
i.	Cost Estimate of Option 3		1.0		2.0		8.0			11
j.	Cost Estimate of Option 4		1.0		2.0		8.0			11
k.	Memorandum, Evaluation and Production			10.0	4.0					14
l.	QA/QC	2.0	8.0	1.0						11
2	Development of Concept Exhibits									
a.	Development of Option 1 (Roll Plots)		2.0		2.0		24.0			28
b.	Development of Option 2 (Roll Plots)		2.0		2.0		24.0			28
c.	Development of Option 3 (Roll Plots)		2.0		2.0		24.0			28
d.	Development of Option 4 (Roll Plots)		2.0		2.0		24.0			28
e.	QA/QC	2.0	8.0	1.0						11
B. Concept Report										
1	Development of Concepts									
a.	Coordination Meetings (2hrs/Meeting - 4 meetings)		8.0							8
b.	Development of Alternatives		2.0		8.0	16.0	12.0		42.0	80
c.	Development of Impacts		2.0				24.0			26
d.	Development of Traffic		2.0		8.0		4.0	40.0		54
e.	Development / Update of Cost Estimates		2.0				16.0			18
f.	Implementation Schedules		2.0				12.0			14
g.	Evaluation of Concepts		4.0		8.0		4.0	8.0		24
2	Development of Report									
a.	Write-up		4.0		4.0		24.0	4.0		36
b.	Tables		4.0		2.0	16.0	4.0			26
c.	Exhibits		2.0		2.0		24.0	8.0		36
d.	Summary and Recommendations		2.0		2.0		16.0	2.0		22
e.	Production			1.0	7.0	4.0	4.0			16
f.	QA/QC	4.0	4.0		4.0		4.0	2.0		18
		Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Total
Hours Subtotal		8.0	98.0	13.0	78.0	32.0	388.0	84.0	42.0	720
Grand-Total Cost		\$1,222	\$12,278	\$878	\$16,268	\$3,478	\$38,468	\$8,083	\$4,441	\$83,114

Other Direct Expenses	Labor	Rate	Quantity	Cost
Photocopies B/W (8 X 10)	each	\$ 0.10	200	\$ 20.00
Photocopies B/W (11 X 17)	each	\$ 0.16		
Photocopies Color (8 X 10)	each	\$ 1.00	100	\$ 100.00
Photocopies Color (11 X 17)	each	\$ 1.20		
Mylar (11" X 17")	sheet	\$ 2.00		
CADD Plotting	linear foot	\$ 7.50	60	\$ 375.00
Mylar Plots	linear foot	\$ 3.00		
Public Involvement Facility Rental (estimate)	hour	\$ 160.00		
TOTAL:				\$ 495.00