



**CONTRACT FOR ENGINEERING SERVICES**  
**SUPPLEMENTAL AGREEMENT NO. 1**  
**TO THE PROFESSIONAL SERVICES AGREEMENT**

[illegible]

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 **June 27, 2007**;

WHEREAS, the not-to-exceed fee in Exhibit 1, Section 1, Item the agreement to \$480,000; and,

WHEREAS, the “*Compensation Cap*” in Exhibit 1, Section 4, Item 4.3 limits the maximum amount payable under the agreement to \$480,000; 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:

- I. The not-to-exceed fee in Exhibit I, Section 1, Item 1, I is hereby increased from \$480,000 to \$865,000.
- II. The Compensation Cap in Exhibit I, Section 4, Item 4.3 is hereby increased from \$480,000 to \$865,000.
- III. The hourly Rates in the original Exhibit II are hereby amended as shown in the attached revised Exhibit II.

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:

Signature

M. Craig Hogan, P.E.

Printed Name

Sr. Vice President

Title

11-24-08

Date

COUNTY:

By:

Signature

Dan A. Gattis

Printed Name

County Judge

Title

12-5-08

Date

OK  
mm 11/25/08

EXHIBIT II  
HOURLY RATES

PBS&J

1. Project Manager	\$154.93/hr
* 2. Senior Field Representative	\$107.02/hr
3. Records Keeper	\$85.29/hr
4. Junior Field Representative	\$42.65/hr
5. Senior Engineer	\$139.93/hr

PaveTex

1. 1 B Technician	\$45.00/hr
2. 1 A Technician	\$50.00/hr
3. Concrete Technician	\$50.00/hr
4. Density Technician	\$45.00/hr
5. Depth Check	\$45.00/hr
6. Sampling	\$50.00/hr
7. Cylinder Pick Up	\$45.00/hr
8. Vehicle Charge	\$35.00/trip
9. Geotechnical Investigations (2)	\$6,400/ per 2

Gorrondona

1. Project Manager	\$125.00/hr
2. Surveyor (RPLS)	\$105.00/hr
3. Survey Tech	\$75.00/hr
4. 2-Person Crew	\$105.00/hr
5. 2-Person GPS Crew	\$135.00/hr
6. 3-Person GPS Crew	\$138.00

OK  
11/25/00



Project Name: RM 1518 (D.B. Woods to FM 3105)

## ATTACHMENT A

### WORK AUTHORIZATION NO. 2

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:

Construction Engineering and Inspection (See Exhibits A, B, C&D)

**Part 2.** The maximum amount payable for services under this Work Authorization without modification is \$544,865.25.

**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 March 07, 2010, 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.

ENGINEER:  
PBS&J, Inc.

By: [Signature]

Signature

M. Craig Hogan, P.E.  
Printed Name

Sr. Vice President  
Title

11-24-08

Date

COUNTY:  
Williamson County, Texas

By: [Signature]

Signature

Dan A. Gattis  
Printed Name

County Judge  
Title

12-5-08

Date

OK  
11/25/08

Project Name: RM 2338 (D.B. Woods to FM 3405)

**ATTACHMENT A (con't.)**

**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 *(based on approved rates in PSA Exhibit H executed by  
Commissioners Court action)*

## **EXHIBIT A**

### **SERVICES TO BE PROVIDED BY COUNTY**

The County will assist the Engineer by providing assistance, service, or data items as required to advance the completion of assigned work authorizations.

- Provide existing data files, to include but not limited to:
  - Survey data, graphic files, roadway design/geometry;
  - Roadway construction plans, documents for current and past projects;
  - Right-of-Way mapping;
  - Available interface data for any projects adjacent to, crossing, and/or within the immediate area of the defined project limits;
  - Subsurface Utility Engineering (SUE) data and utility ownership/facility data; and
  - Planimetric layouts and/or related information.
- Approved environmental documents.
- Applicable special specifications, special provisions, and unit price bid tabulation.
- Provide timely review, comment or direction, as required, to aid the Engineer in completing an assigned task or maintaining the established project schedule.

## **EXHIBIT B**

### **SERVICES TO BE PROVIDED BY THE ENGINEER**

The Engineer will provide the additional support for Construction oversight, CE&I, Materials Testing and Geotechnical Investigations in association with the RM 2338 (D.B. Wood to FM 3405).

The Engineer will provide the following services. Work performed will include the appropriate records and documentation in accordance with TxDOT and Federal requirements.

#### **Construction Inspection**

- Provide project management.
- Inspect and document construction activities.
- Perform material testing.
- Provide environmental observation and documentation including SW3P reports, WPAP, etc.
- Address requests for information (RFI).
- Assist in change order negotiations and prepare appropriate plan sheets and change order documents.
- Evaluate and recommend approval of contractors' CPM schedules.
- Maintain a status report of change orders, RFIs, barricade inspection reports, schedule updates, shop drawing review and time extensions.
- Identify and assist in the resolution of construction issues that arise.
- Assist in dispute negotiations and claim resolutions.

#### **Materials Testing and Geotechnical Investigations**

- Provide material testing as described in fee schedule.
- Conduct geotechnical exploration for bridge and retaining wall foundations as described in fee schedule.

## EXHIBIT C

### WORK SCHEDULE

The Engineer shall complete the work authorization within 460 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

Signed NTP	December 2, 2008
As Built Submittal	January 30, 2010
Project Close Out	March 07, 2010





## EXHIBIT D

## CE&amp;I Fee Estimate

Williamson County Rm 2338 (D.B. Wood to FM 3405)	PBS&J Staff										Totals	
	Project Manager		Sr. Field Rep		Records Keeper		Jr. Field Rep		Sr. Engineer			
	\$ 154.93 /hr		\$ 107.02 /hr		\$ 85.29 /hr		\$ 42.65 /hr		\$ 139.93 /hr			
	Task	HRS	\$	HRS	\$	HRS	\$	HRS	\$	HRS	\$	HRS
Constructability Review	5	\$ 774.65	25	\$ 2,675.50		\$ -		\$ -	80	\$ 11,194.40	110	\$ 14,644.55
Pre-Construction Meeting	5	\$ 774.65	15	\$ 1,605.30		\$ -		\$ -		\$ -	20	\$ 2,379.95
Construction Inspection	150	\$ 23,239.50	2700	\$ 288,954.00		\$ -	2700	\$ 115,155.00		\$ -	5550	\$ 427,348.50
Record Keeping	0	\$ -	200	\$ 21,404.00	75	\$ 6,396.75	180	\$ 7,677.00		\$ -	455	\$ 35,477.75
QA of Record Drawings	0	\$ -	100	\$ 10,702.00		\$ -	50	\$ 2,132.50		\$ -	150	\$ 12,834.50
QC&P	0	\$ -	100	\$ 10,702.00		\$ -		\$ -		\$ -	100	\$ 10,702.00
	160	\$ 24,788.80	3140	\$ 336,042.80	75	\$ 6,396.75	2930	\$ 124,964.50	80	\$ 11,194.40	6385	\$ 503,387.25

CE&I Total - \$ 503,387.25  
 CMT Total - \$ 41,478.00  
 Geotech Total - \$ -  
 Survey Total - \$ -

Estimated Project Total - \$ 544,865.25



PaveTex Engineering and Testing, Inc.  
3989 HWY 290 East  
Dripping Springs, TX 78620

CSJ: 2211-01-016, etc.  
County: Williamson  
Hwy: RM2338

CMT ESTIMATE																	
SUMMARY OF ROADWAY QUANTITIES				SUMMARY OF TESTING													
ITEM CODE	DESCRIPTION	QUANTITY	UNIT	PI	GRADATION	PROCTOR TRIAL	DECANT	SAND EQUIVALENT	ORGANIC IMP	CYLINDERS (IN)	DELETERIOUS MATERIAL	HAMMER	DENSITY	DEPTH CHECK	WET BALL MILL	Fat and Elongated	CODE
312-2000	Embankment	25742	CY														
312-2044	FLDS Ty A Gr 1	37033	CY	8	8	2							26	12	4		
310-2005	Prime Coat	24639	GAL														(B)
310-2007	FFHS-7	24853	GAL														(B)
319-2174	ASCR (Ty B) Gr. 5 SACB	690	CY		1		1	1			1						(A) (B)
311-2014	D-CR HMA (GCCA) Ty B PG 10-22	19505	TON	1	2		3	1	1		1	1				1	(A) (B)
311-2049	D-CR HMA (GCCA) Ty C SACB PG 10-22	19580	TON		1							1				1	(A) (B)
311-2050	D-CR HMA (GCCA) Ty C PG 10-22 (LEVEL LM)	27537	TON									1					(A) (B)
311-2059	FLEXIBLE PAVEMENT STRUCTURE REPAIR (10')	6904	SY														(A) (B)
Concrete Class B	REP RAP	549	CY							4							
Concrete Class A	Schedule and Sub and Gutter	42	CY	2						2							
Concrete Class C	Spur Coat		CY	3						3	1						
	Concrete Course 1A				1		1				1						(B)
	Concrete Five Agg				1		1	1	1								(B)
TOTALS				11	12	2	6	3	2	6	4	3	26	12	4		2
UNIT PRICE				50	55	1000	25	25	25	68	25	75	35	400	75	25	
TOTALS				550	660	2000	150	75	50	408	100	225	910	4800	300	50	
TOTAL TESTING	10228																

#### Technician Time HRS UNIT COST TOTALS

1 B Tech	0	45	0 estimated at tons per hour production rate and trips at hrs ea.
1 A Tech	405	50	20250 estimated at 200 tons per hour production rate and 35 trips at 1.5 hrs ea.
Conc tech	27	50	1350 estimated at 18 trips at 2 hrs portage
Density Tech.	36	45	1620 estimated at 12 trips @ 1 hour testing and 2 hours portage
Depth Check	30	45	1350 estimated at 10 trips @ 1 hour testing and 2 hours portage
Sampling	30	50	1500 estimated 10 trips at 3 hrs per trip
Cylinder Pick.	0	45	0 estimated trips at hrs per trip
Vehicle Charge	85	50	4250 Charged by the trip
TOTAL		30320	

TOTAL ESTIMATE \$41,478.00

(A) Additional testing on a one test per source is required to meet the guide schedule for HMA testing Please see the Table below

(B) Assumes materials are provided by a QM or pre approved source to meet some testing requirements

Testing quantities may vary due to object to change based on construction plans not provided at the time of estimate.

Assuming all Ty C curb inlets are precast

Prices are based on quantities shown. Reductions in quantity may affect unit prices.

#### ADDITIONAL TESTING FOR 341 SPECIFICATION

Test	number	Cost	total
MicroDeval	2	250	500
Coarse Agg.			
Angularity	1	30	30
Binder	1	200	200
Tack	1	200	200
			930

NOV 24 2008

Project Name: HHV NH 29 Turn Around Bridges Pass Through

ATTACHMENT A  
SUPPLEMENTAL NO. 2 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:

No Change

Part 2. The maximum amount payable for services under this Work Authorization without modification is \$ 277,061.20.

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 December 31, 2008, 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.

ENGINEER:  
PBS&J, Inc.

By: M. Craig Hogan

Signature

M. Craig Hogan, P.E.  
Printed Name

Sr. Vice President  
Title

11-24-08

Date

COUNTY:  
Williamson County, Texas

By: Dan A. Gattis

Signature

Dan A. Gattis  
Printed Name

County Judge  
Title

11-24-08

Date

OK 11/23/08