



Project Name: Great Oaks Bridge – Phase I

**ATTACHMENT A
SUPPLEMENTAL NO. 4 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 P.E. Structural Consultants, Inc. (*the "Engineer"*).

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

Schematic design, preliminary drainage impact study.

Part 2. The maximum amount payable for services under this Work Authorization without modification is hereby *increased* by \$20,055.00 for a new maximum amount of \$220,055.00.

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 September 30, 2017, 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:
P.E. Structural Consultants, Inc.

COUNTY:
Williamson County, Texas

By: _____

Signature

Anna Boering, P.E.

Printed Name

Vice President

Title

August 28, 2017

Date

By: _____

Signature

Printed Name

Title

Date

LIST OF EXHIBITS

Exhibit A - Services to be Provided by County (N/A – see original Work Authorization)

Exhibit B - Services to be Provided by Engineer

Exhibit C - Work Schedule

Exhibit D - Fee Schedule

*(based on approved rates in PSA Exhibit II executed by
Commissioners Court action; rates cannot be amended through a
Supplemental to a Work Authorization)*

OK
my 9/2/2017

EXHIBIT B
SERVICES TO BE PROVIDED BY THE ENGINEER

Great Oaks Bridge at Brushy Creek – Phase I

Supplemental No. 4 to Work Authorization No. 1

TASK 1 ROUTE AND DESIGN STUDIES

The following work, which was not in the original scope: incorporating traffic analysis results from the Brushy Creek/Hairy Man project, additional iterations/alternatives to include interim and ultimate conditions, investigating the high-T intersection and impact of additional turn lanes, etc at the request of the County.

TASK 5 PRELIMINARY DRAINAGE IMPACT STUDY

Additional effort from a drainage perspective provided due to a change in direction on the preferred alternative. Up until June 2016, drainage modeling focused on the “raised bridge” alternative and it was developed almost to completion. In June 2016, AECOM had the intention of submitting the preliminary Drainage Report based on that raised alternative. At that time the project was put on hold. When the project resumed, the modeling had to be re-worked and the Drainage Report completed with the “at grade” alternative.

EXHIBIT C
WORK SCHEDULE

Great Oaks Bridge at Brushy Creek – Phase I

This Work Authorization shall terminate on February 28, 2017, unless amended by a Supplemental Agreement.

➤ Data Collection	February 2014
➤ Field Surveying	February 2014
➤ Subsurface Utility Engineering (SUE)	February 2014
➤ Drainage Study	March – May 2014
➤ Alternative Analysis	March – June 2014
➤ Preliminary Submittal	June 2014
➤ Hold for Traffic Study	July 2014 thru Mid October 2015
➤ Review/Incorporate Results from Traffic Study	October 2015
➤ Revise Alternates per Results from Study	October 2015 – January 2016
➤ Updated Submittal	February 2016
➤ Additional modifications for High-T intersection	May 2016
➤ Public Involvement	June-July 2016
➤ Schematic Design	February 2016 – October 2016
➤ Preliminary Submittal (Summary of Feasibility Studies, TCP Narrative, Preliminary Cost Estimate, Preliminary Layout, Preliminary TCP Layout, Preliminary Detours, Preliminary Bridge Layout, Preliminary Drainage Report)	December 2016
➤ County Review of Preliminary Submittal	January 2017
➤ Final Submittal	February 2017

EXHIBIT D-FEE SCHEDULE

PRIME PROVIDER NAME: P.E. Structural Consultants, Inc.
Sub Provider Name: Kennedy Consulting, Ltd.

PROJECT NAME: Great Oaks Bridge - Phase I

TASK DESCRIPTION	Project Manager	Senior Prof. 2	Senior Prof. 1	Prof. 2	Prof. 1	Admin / Clerical	Title 7	Title 8	Title 9	Title 10	Title 11	Title 12	Title 13	Total hours
Task 1 - ROUTE & DESIGN STUDIES														
1.4. Feasibility Studies/Alternatives Analysis	2	4	10	20										36
1.5. Schematic Design	4	8	16	20										48
1.7. Preliminary TCP Concept	1	2	4	10										17
HOURS SUB-TOTALS	7	14	30	50	0	0	0	0	0	0	0	0	0	101
CONTRACT RATE PER HOUR	\$193.00	\$180.00	\$155.00	\$130.00	\$100.00	\$65.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
TOTAL LABOR COSTS	\$1,351.00	\$2,520.00	\$4,650.00	\$6,500.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$15,035.00
% DISTRIBUTION OF STAFFING	6.9%	13.9%	29.7%	49.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
SUBTOTAL (Task 1)														\$15,035.00

TASK DESCRIPTION	UNIT	# OF UNITS	COST/UNIT											
OTHER DIRECT EXPENSES														
Mylar (11"x17")	sheet		\$3.00											\$0.00
Photocopies BW (8 X 10)	sheet		\$0.10											\$0.00
Photocopies BW (11 X 17)	sheet		\$0.15											\$0.00
Photocopies Color (8 X 10)	sheet		\$1.00											\$0.00
Photocopies Color (11 X 17)	sheet		\$1.50											\$0.00
Standard Postage	letter		\$0.44											\$0.00
Overnight Mail-letter size	each		\$25.00											\$0.00
Overnight Mail-over sized box	each		\$35.00											\$0.00
Mileage	mile		\$0.565											\$0.00
Large Scale color plotting	sq ft		\$1.000											\$0.00
Item	unit		\$0.100											\$0.00
Item	unit		\$0.100											\$0.00
Item	unit		\$0.100											\$0.00
SUBTOTAL DIRECT EXPENSES														\$0.00

TOTAL COSTS	\$15,035.00
NON-SALARY (OTHER DIRECT EXPENSES)	\$0.00
GRAND TOTAL	\$15,035.00

EXHIBIT D-FEE SCHEDULE

PRIME PROVIDER NAME: P.E. Structural Consultants, Inc.
Sub Provider Name: URS Corporation (AECOM)

PROJECT NAME: Great Oaks Bridge - Phase I

TASK DESCRIPTION	Principal Engineer	Senior Project Manager	Senior Engineer	Project Engineer	Design Engineer	Engineer-in-Training	Sr. CAD Tech	CAD Tech	Admin/Clerical	Title 10	Title 11	Title 12	Title 13	Total hours
Task 5 - PRELIMINARY DRAINAGE IMPACT STUDY														
5.1 - Preliminary Drainage Impact Study		1		2	4	8								15
5.3 - Proposed Conditions Hydraulic and Hydraulic modeling		1		2	4	4								7
5.4 - Mitigation Alternatives		1		2	4	4								11
5.5 - Preliminary Impact Report		1		2	4	4								15
HOURS SUB-TOTALS	0	4	0	8	18	12	0	4	4	0	0	0	0	48
CONTRACT RATE PER HOUR	\$220.00	\$157.00	\$148.00	\$131.00	\$107.00	\$86.00	\$99.00	\$78.00	\$72.00	\$0.00	\$0.00	\$0.00	\$0.00	
TOTAL LABOR COSTS	\$0.00	\$628.00	\$0.00	\$1,048.00	\$1,712.00	\$1,032.00	\$0.00	\$312.00	\$288.00	\$0.00	\$0.00	\$0.00	\$0.00	\$5,020.00
% DISTRIBUTION OF STAFFING	0.0%	8.3%	0.0%	18.7%	33.3%	25.0%	0.0%	8.3%	8.3%	0.0%	0.0%	0.0%	0.0%	
SUBTOTAL (Task 5)														\$5,020.00
OTHER DIRECT EXPENSES														
Mylar (11"x17")	sheet													\$0.00
Photocopies B&W (8 X 10)	sheet													\$0.00
Photocopies B&W (11 X 17)	sheet													\$0.00
Photocopies Color (8 X 10)	sheet													\$0.00
Photocopies Color (11 X 17)	sheet													\$0.00
Standard Postage	inlier													\$0.00
Overnight Mail-letter size	each													\$0.00
Overnight Mail-over-sized box	each													\$0.00
Mileage	mile													\$0.00
Item	unit													\$0.00
Item	unit													\$0.00
Item	unit													\$0.00
Item	unit													\$0.00
Item	unit													\$0.00
SUBTOTAL DIRECT EXPENSES														\$0.00
TOTAL COSTS														\$5,020.00
NON-SALARY (OTHER DIRECT EXPENSES)														\$0.00
GRAND TOTAL														\$5,020.00