

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").

Part1. 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:	COUNTY:
P.E. Structural Consultants, Inc.	Williamson County, Texas
By: Signature	By:Signature
Anna Bosnig, P.E.	
Printed Name	Printed Name
Vice President Title	Title
August 28, 2017	
Date	Date
	200
LIST OF EXHIBITS	an alahar
Exhibit A - Services to be Provided by County	
Exhibit B - Services to be Provided by Engineer	r
Exhibit C - Work Schedule	
	ates in PSA Exhibit II executed by action; rates cannot be amended through a

Supplemental to a Work Authorization)

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 <u>February 28, 2017</u>, unless amended by a Supplemental Agreement.

Data Collection
 Field Surveying
 Subsurface Utility Engineering (SUE)
 Drainage Study
 Alternative Analysis
 Preliminary Submittal
 Hold for Traffic Study
 February 2014
 March – May 2014
 March – June 2014
 June 2014
 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
 Additional modifications for High-T intersection
 Bubble Investor

Public Involvement June-July 2016

➤ Schematic Design February 2016 – October 2016

> Preliminary Submittal December 2016

(Summary of Feasibility Studies,

TCP Narrative,

Preliminary Cost Estimate,

Preliminary Layout,
Preliminary TCP Layout,
Preliminary Detours,
Preliminary Bridge Layout,
Preliminary Drainage Report)

County Review of Preliminary Submittal
 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

Teat 1 - ROUTE & DESIGN STUDIES TEAT	\$000 \$000 \$000 \$000 \$000 \$000 \$000	80.00 80.00 0.0%	00'03 00'03 00'03	00088	00 05 00 00 00 00 00 00 00 00 00 00 00 0	%00 0008 0008	75,010 00,005 0 00 05	0008 0008 0008	315,035,00
1		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	00'05 00'05 00'05	000 00 00 00 00 00 00 00 00 00 00 00 00	000 8000 8000	%00 0008 0008	00.02 \$0.00 \$0.00	0008 0008 0008	
10 20 20 30 30 30 30 30 3		9000 9000 9000	0.0% 0.0%	00.08 00.08 00.08	00 00 00 00 00 00 00 00 00 00 00 00 00	%000 0003 0003	00.08 00.08 00.09	0008 8000 8000	
STAFFING	- 	%070 00708	0008 0008	0.000 0.000 0.000	%00 00:05 00:05	2000 2000 0003	0.0% 50.00 50.00	8000 8000 8000	
ENSES STATE OF STATE	 	0 8 0.00 8.0.00 0.0%	5,40°G 00°08 00°08	00.04 00.04 00.04	00.08 00.08	00.03 00.03	%.0.0 00.05 00.05	%00 00'08 00'08	
ENBES EN FIGUR STAFFING EN BES STAFFING STAFFING EN BES STAFFING S		%00 %00 %00 0008	00.08 00.08 00.08	20.03 20.03 20.03	0005 00.00 00.00	00.03 00.03 00.03	00.03 00.03 00.03	%000 80008 0008	\$15,035.00 \$15,035.00
STAFFING		%.00 0008 0008	0008 0008 0008	00 05 20 00 20 00	%070 00'08 00'08	\$000 00'08	00.03	0008 0008 0008	\$15,035.00
STAFFING		%0°08	00.08 00.00 00.00	50.00 \$0.00	%00 %00 %00	80:00 80:00 90:00	00.03 00.03 00.03	0.00 %0.00	\$15,035.00 \$15,035.00
STAFFING		%0°0	0008	0.0% 0.0%	\$0.00 0.0%	%000 00'0\$	2000 2000 2000	%0°0	\$15,035.00
STAFFING STAGNOO SALGONOO		%00 %00	20.00 20.00	%000	0.0%	%000	%000	%0.0	\$15,035.00
ENSES 13.9% 29.7% 49.5% 13.9% 29.7% 49.5% 13.9% 29.7% 29.7% 49.5% 29.7		500		800	***************************************	200	800	800	\$12,035.00
COST									\$12,035.D0
ENSES ENSES (10) (10) (11) (11) (12) (13) (14) (15) (16) (17) (18)									115,035,D0
UNIT # OF UNITS COST					_	-			
Street						1			
CHATT # OF UNITS COST									
Sheet Silvest Silves									
sheet									\$0.00
### ### ##############################									\$0.00
sheel	-					†	Ī		20.00
Sheel Sheel						1			30.00
sheet letter letter each each mile raile gq ft set in the sech mile sech mil									20.00
letter each each mule sqft sqft									20.00
each each nide Right Rig									20.00
each mile raile gq ft sq ft innit			_						\$0.00
raile gq ft gq ft and the second seco									\$0.00
Scale color plotting eq.ft									20.00
Sware come pursus g									\$0.00
The state of the s									20.00
									20.00
					T	†			en no
them unit \$0.100									20.00
nui									20.00
CHRYCKA DIDECT EXPENSES									\$0.00
SOBIOIAL DIRECT EATERS SE									

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

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 Engineer Marager Engineer En	8 8 131 00 81,048.00 18.7%	15 \$1,772.00 33.3%		St. CAU 1688 8.99 00 8.000 0.00%	\$ 1800 833200 8.3%	4 4 4 572.00 \$280.00 83%.	0008 0008 0008	100 00 00 00 00 00 00 00 00 00 00 00 00	%070 00708 0 08 0 08	20 00 00 00 00 00 00 00 00 00 00 00 00 0	48 48 48 5,020.00
ACT STUDY Inparatic modeling Incomplete modeling	8.100 8.1048.00 16.7%		12. 12. \$1.032.00 \$1.032.00	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	\$ 18.00 \$312.00 \$.3%	4 4 \$72.00 \$288.00 8.3%	5,00 00 05 0 0 05	%00 80 00 80 00 0	%370 00'08 00'08	\$250 0203 0	11 11 15 25,020.00
Prydraulic modeling 1 2 4 4 1 2 4 4 1 2 4 4 4 4 4 4 4 4 4	8 813130 81,048.00 16.7%		12 \$5.00 \$1.032.00 25.0%	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	\$18.00 \$312.00 8.3%	4 4 \$72.00 \$286.00 8.3%	%00 0008 0008 0008	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	00.08 00.08 00.08	\$500 00'08 00'08	15 11 15 15 25,020.00
Prydrauke modeling 1 2 4 4 1 2 4 4 1 2 4 4 4 4 4 4 4 4 4	8 813100 81,048.00 16.7%		12 12 \$5.00 25.0%	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	\$18.00 \$312.00 8.3%	4 \$72.00 \$288.00 8.3%	%20 0008 0008	0 00 00 00 00 00 00 00 00 00 00 00 00 0	%370 90708 00 08	%00 0008 0008	11 11 15 25,020.00
1 2 4	8 18.7% 16.7%		12 12 586.00 \$1.032.00 25.03	3000 3000 3000 3000	\$18.00 \$312.00 6.3%	\$72.00 \$288.00 8.3%	00.02 00.02 00.02	2000 \$0.00 \$0.00 \$0.00	%00 0008 0008	0.000 0.000 0.000 0.000	48 48 85,020,00
1 2 4	8 \$13100 \$1,048.00 \$1,7%		12 \$86.00 \$1,002.00 25.0%	0.08 0.00 0.00 0.00	\$ 4 \$332.00 8.3%	4 872.00 8288.00 8.3%	350°0 00°03 0	%00 0008 0008	%270 0070\$	0008 0008 0008	48 48 55,020.00 85,020.00
1 0 0 4 0 0 8 18 18 18 18 18 18 18 18 18 18 18 18 1	8 813100 81,048.00 16.7%		12 \$86.00 \$1.032.00 25.0%	20.00 00.00 00.00 00.00	4 \$72.00 8.3%	\$72.00 \$288.00 8.3%	0.07%	0000 0000 0000	\$670 00'0\$	0.008 0.008 0.000 0.000	48 \$5,020.00
1 2 4 4 6 6 6 6 6 6 6 6	8 131.00 18.7%		12 \$86.00 \$1,032.00 25,0%	0.000 80.00 80.00 80.00	4 \$312.00 8.3%	\$72.00 \$282.00 8.3%	00.03 00.03 00.03	%00 0008 0008	%0'0 00'0\$	0.000 0.000 0.000	48 \$5,020.00 \$5,020.00
SECOND STATE STA		16 \$1,712.00 33.3%	12 \$86.00 \$1.032.00 25.0%	0.00 20.00 20.00 20.00	4 \$312.00 8.3%	\$72.00 \$286.00 8.3%	00.08 00.08	%000 0008 0008	%0.00 0.00%	0.00 20.00 0.000 0.000	\$5,020.00
STAFFING STAFF S		16 \$107.00 \$1,712.00 33.3%	12 \$86.00 \$1.032.00 25.0%	30.00 00.00 00.00	\$78.00 \$312.00 8.3%	\$72.00 \$288.00 8.3%	%0.0 00.08	\$0.00 \$0.00	00'08	0.03 50.00 0.05%	48 \$5,020.00
STAFING STAFING STAFON		\$107.00 \$1,712.00 33.3%	\$66.00 \$1,032.00 25,0%	\$0.00 50.00 0.0%	\$312.00 8.3%	\$72.00 \$288.00 8.3%	\$0.00 \$0.00	\$000 \$000	\$0.00 \$0.00 0.0%	20.00 20.00 20.00 20.00 20.00	\$5,020.00
STAFFING SOOO SLORE SL		33.3%	\$1.032.00	20.00	83%	8.3%	%0.00 %0.00	\$0.00	0.0%	\$0.05 0.05%	\$5,020.00 \$3,020.00
STAFFING S.35 O.05 16.7% 33.3%		33.3%	25.0%	0.0%	8.3%	8.3%	0.0%	0.0%	0.0%	900%	\$5,020.00
UNIT S OF UNITS	COST/ANIT \$3.00 \$0.10 \$0.15										\$5,020.00
ENBES 10) 110) 110) 1117	COST/ANIT: \$3.00 \$0.10 \$0.15 \$1.00			-							\$5,020.00
ENSES UNIT S OF UNITS 10) \$100 \$100 \$100 \$10000 \$10000 \$10000 \$10000 \$10000 \$10000 \$1000	COST/UNIT: \$3.00 \$0.10 \$0.15 \$1.00			_							
IR DRECT EXPENSES UNIT # OF UNITS	COST/UNIT: \$3.00 \$0.10 \$0.15					_			•		
	\$3.00 \$0.10 \$0.15 \$1.00										
Sheet Stheet St	\$0.16 \$0.15 \$1.00		-				İ				\$0.00
copies BMV (11 X 17) Sheet copies BMV (11 X 17) Sheet copies Coder (11 X 17) Sheet copies Coder (11 X 17) Sheet land Prostage Sheet spin Mad-latter (12 x 12) Sheet spin Mad-la	\$1.00		_		-	_					\$0.00
copies Color (8 X 10) sheet copies Color (11 X 17) sheet scheet sheet copies Color (11 X 17) lefter light Made oversized to resident size each light Made oversized to resident size seach ge strike print sant print sant	\$1.00										20.00
coopies Color (11 X 17) sheet Intracting wither and Postsige each aph Mask-derive size each aph Mask-derive sized box mile ge sixth sixth sixth	10.4										20.00
Interesting	\$1.50										20.00
each ught Med-översized box mile ge unt unt	\$0.44										20.08
each got Imle got time got time tunit tunit	\$25.00										30.00
99 tml6	\$35.00									Ī	20.00
inst inst	\$0.565			-							20.00
nut nut	\$0.100										20.00
jun nug	\$0.100										20.00
1,11	\$0.100										20.00
llem world	\$0.100										20.03
	\$0.100										\$0.00
	_										
SUBTOTAL DIRECT EXPENSES											\$0.00
		_									

\$0.00	NON-SALARY (OTHER DIRECT EXPENSES)
\$5,020.00	TOTAL COSTS