SUPPLEMENTAL WORK AUTHORIZATION NO. 4 TO WORK AUTHORIZATION NO. 1

WILLIAMSON COUNTY PROJECT:

Construction Material Testing and Inspection for Williamson County North Campus Facilities

This Supplemental Work Authorization No. 4 to Work Authorization No. 1 is made pursuant to the terms and conditions of the Williamson County Contract for Engineering Services, being dated November 10, 2016 ("Contract") and entered into by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and Raba Kistner, Inc. (the "Engineer").

WHEREAS, the County and the Firm executed Work Authorization No. 1 dated effective December 13, 2016 (the "Work Authorization");

WHEREAS, pursuant to the Contract, amendments, changes and modifications to a fully executed Work Authorization shall be made in the form of a Supplemental Work Authorization; and

WHEREAS, it has become necessary to amend, change and modify the Work Authorization.

AGREEMENT

NOW, THEREFORE, premises considered, the County and the Firm agree that the Work Authorization shall be amended, changed and modified as follows:

- I. The above referenced Work Authorization termination date shall be modified to April 30, 2020. The Services to be Provided by the Firm shall be fully completed on or before said date unless extended by an additional Supplemental Work Authorization. The revised Work Schedule is attached hereto as Attachment "C" (must be attached).
- II. The maximum amount payable for services under the Work Authorization is hereby increased from \$131,000.00 to \$139,000.00. The Fee Schedule is attached hereto as Attachment "D" (must be attached).

County believes it has sufficient funds currently available and authorized for expenditure to finance the costs of this Supplemental Work Authorization. Firm understands and agrees that County's payment of amounts under this Supplemental Work Authorization is contingent on the County receiving appropriations or other expenditure authority sufficient to allow the County, in the exercise of reasonable administrative discretion, to continue to make payments under the Supplemental Work Authorization. It is further understood and agreed by Firm that County shall have the right to terminate this Supplemental Work Authorization at the end of any County fiscal year if the governing body of County does not appropriate sufficient funds as determined by County's budget for the fiscal year in question. County may effect such termination by giving written notice of termination to Firm.

Except as otherwise amended by prior or future Supplemental Work Authorizations, all other terms of the Work Authorization are unchanged and will remain in full force and effect.

This Supplemental Work Authorization does not waive the parties' responsibilities and obligations provided under the Contract.

IN WITNESS WHEREOF, the County and the Firm have executed this Supplemental Work Authorization, in duplicate, to be effective as of the date of the last party's execution below.

FIRM: By: Daliul Quelas Signature	By: Signature
Gabriel Ornelas, Tr. Printed Name	Bill Gravel, Jr. Printed Name
	Timted Name
Serior Vice President	County Judge Title
July 10th, 2019	July 16, 2019
Date	\Date /

LIST OF ATTACHMENTS

Attachment C - Work Schedule

Attachment D - Fee Schedule

Attachment C - Work Schedule

Work shall begin immediately upon receipt of agreement and authorization to proceed on assign	ned
services.	

Attachment D - Fee Schedule

Project Name: North Campus Facilities - Williamson County Project Location: 2910, 3153, 2 3189 \$.E. Inner Loop Contact Name: Dwayne Gossot Clint: Williamson County Address: 3101 \$E Inner Loop City/State /Zip Georgatown, Texas 78626 Phone Number:: 512-931-313 E-Mail: dossetist wilco.org TESTING/OBSERVATION ITEM UNIT OST UNIT ESTIMATED COST EXTENSION SOILS Inhoratory Testing Quantity Ministure Density Relationship, TXXXXII \$549.00 leach \$ \$ \$1,494.0 Atterberg Limits \$9.00 leach \$ \$ \$1,494.0 Atterberg Limits \$9.00 leach \$ \$ \$1,494.0 Lime Series Curve \$ \$435.00 leach \$ \$ \$498.0 Lime Series Curve \$ \$435.00 leach \$ \$ \$498.0 Lime Series Curve \$ \$435.00 leach \$ \$ \$498.0 Lime Series Curve \$ \$435.00 leach \$ \$ \$498.0 Lime Series Curve \$ \$435.00 leach \$ \$ \$498.0 Lime Series Curve \$ \$435.00 leach \$ \$ \$498.0 Lime Series Curve \$ \$435.00 leach \$ \$ \$498.0 Lime Series Curve \$ \$435.00 leach \$ \$ \$498.0 Lime Series Curve \$ \$435.00 leach \$ \$ \$ \$498.0 Lime Series Curve \$ \$435.00 leach \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	COST ESTIMATE BREAKDOWN			Date	October 17, 201
Perglect Loadion: 2910, 3151, 8, 3189 \$£, Immer Loop				Proposal Number:	PAD16-147-0
Contact Name:	Project Name:	North Campus Fa	cilities - Williamson	County	
Contact Name:					-
Client: Williamson County Address: 310.18 Inner Loop					
Address: 310.1 % Inner Loop ChryState / Zip Phone Number: 512-939-31312 FESTING/OBSERVATION TIEM UNIT COST UNIT ESTIMATED COST ESTINATED COST UNIT ESTIMATED COST ESTINATED COST UNIT ESTIMATED COST ESTINATED COST ESTI					
City/State / Zip Georgatown, Totals 78626					
Phone Number:	Address:				
Fax Number:	City/State /Zip	Georgetown, Texas 7862	6		
E-Mail:	Phone Number::	512-943-1611			
Institution Cost	Fax Number:	517-930-3313			
Institution Cost	E-Mail:	danssett@wilco.crg			
Application			LIMIT	I ESTIMATED	rosi
SOLS School Sch	TESTING/ OBSERVATION TIEM	OMIT COST	Civil	2000 Contract (Charles Francis available
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In-Place Nuclear Densities		563.00	each	13	5756.00
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SEMPORCING STEEL ORSERVATIONS					\$3,920.00
Materials Technician	Subtota!				550,636.00
Materials Technician					
Materials Technician	REINFORCING STEEL OBSERVATIONS				
Materials Technician					
Signature Sign	Materials Technician	\$50.00	hour	128	\$6,400.00
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Concrete Compressive Strength Cylinders S17.00 each 300 \$5,100,00	Subtatal				\$7,680.00
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field Testing/Observation 550.00 hour 120 56,000.00 Vehicle Yravel Charge \$40.00 trip 32 \$1,280.00					
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510,055.0		340/03	עניש	34	
	MR 19401				\$ \$5\QQ3\\$A

COST ESTIMATE BREAKDOWN Date:				
	Proposal Number:			
Project Name:	North Campus Fac	ilities - Williams	on County	
THROUGH WALL FIRESTOP CAULKING PENETRATION	DESERVATIONS			
Field Testing/Observation			32	\$1,600.00
Materials Technician	\$50.00		32	\$320.0
Vehicle Travel Charge	\$40.00	(3)p	0	\$1,920.0
Subtotal				51,920.0
STRUCTURAL STEEL INSPECTION				
Field Testing/Observation				
CWI Inspector	\$95.00		98	\$9,310.00
Non Destructive Testing (Ultraspoic Testing)	\$104.50		8	\$836.00
Vehicle Travel Charge	540.06	trip	16	\$640.00
Subtotal				\$10,786.00
ASPHALT OBSERVATION, SAMPLING AND TESTING				
Laboratory Testing	\$459.00	Title	10	\$4,590.00
Bag Sample (Extraction, Gradation, A/C content, Molding Specimens, Laboratory Density of Molded	5459.00	each	10	34,336,00
Specimens, Stability Test, Hiveen, Maximust				
Theoretical Specific Gravity)	\$51.00		70	\$1,020.00
Density of Asphalt Cores	55±.UB	6957		\$1,026.00
Field Testing/Observation	\$60.00		40	\$2,400.00
Materials Technician	\$92.00		10	\$920.00
Caring	540.00		10	\$0.00
Vehicle Travel Charge	24000	cn p		\$0.00
Subtotal				20.00
FLOOR FLATNESS TESTING (If required - no requireme				
foor Flatness Testing	\$400.00	each	Ō	\$0.00
Subtotal				\$0.00
PROJECT ADMINISTRATION				
Project Manager	\$175.00	The state of the s	8	\$1,400.0
Project Manager Project Engineer (Review Reports)	\$135.00		30	\$4,050.0
Subtotal	9,50,5000			\$9,300.0
DULLULUI P				20100000000
Reporting and Report Distribution	Gbytion 10% of total cost			\$0.00
GRAND TOTAL				\$130,512.00

Add-Alternate No. 1				
SOILS				
Laboratory Testing				
Moisture Density Relationship, TxDOT or ASTM	\$249,(K)	each	g	\$0.00
Atterberg Umits	00.E82	each	0	\$13,13
Sinve Analysis washed tarosigh No. 200	583,00	each	I I	50.0
Lime Series Curve	\$435.00	each	0	50.04
Field Testing/Observation			A)	
Finid Lime Gradations	563.00	each	4	\$252,0
In-Place Nuclear Densities	\$25,00		22	\$550.04
Materials Technician	550.00	hour	36	\$2 800 CA
Vehicle Travel Charge	\$40.00	trìp	9	\$360.00
Subtotal				\$2,962.00
REINFORCING STEEL OBSERVATIONS				
Field Observation/Testing				
Materials Technician	\$50.00		0	\$0.00
Vehicle Travel Charge	\$40.00	trija	0	\$0.00
Subtotal				50.00

CONCRETE				
Laboratory Testing	tan an		40	***************************************
Concrete Compressive Strength Cylinders	517.(6)	each	10	5170.0X
Fleld Testing/Observation				#FOR (I'
Materials Technician	\$50.00		10	\$500.0K
Non-Destructive Testing (Diffrasonic Testine)	\$85.00			\$0.00
Vehicle Travel Charge	550.00	Lik		\$0.00
Subtotal				00.02
ASPHALT				
Laboratory Testing				
lag Sample (Extraction, Gradation, A/C content,	5459.00	each	1	\$459,00
Molding Specimens, Laboratory Density of Molded				
Specimens, Stability Test, Hyeem, Maximum				
Theoretical Specific Gravity)				
Density of Asphalt Cores	\$51.00	each	2	\$102.00
Field Testine/Observation				
Materials Technician	\$50,00	hour	A)	\$200.00
Vehicle Travel Charge	\$40.00	tric	1	\$40.09
Subtotal				\$801.08
		***	X-2-	
PROJECT ADMINISTRATION				
Project Manager	5175.00		6	50.0
Project Engineer (Review Reports)	\$135,00	hour	1	\$135.0
Subtotal				\$300.00
leporting and Report Distribution 10% of total cost				\$0.ū
		GRAND TOTAL		\$4,853.00

SOILS				
Laboratory Testing				
Mnisture Density Relationship, ExDOI or ASTM	\$249.00	Pach	0	
Alterhery Four	\$83,00		0	
Sieve Analysis washed through No. 200	583,00		a a	
Firmo Sorios Curve	\$435.00		0	
Field Testing/Dosgryation	5433.00	2601		
Field sinte Gradations	563.00	n teh	4	52
In-Place Nuclear Densities	\$25,00		18	54
Materials Technician	\$50,00		21	\$1,0
	\$40.00		21	52
Vehicle Travel Charge	340.047	(gia)	/	\$2.0
Subtota!				52.0
REINFORCING STEEL OBSERVATIONS				
Field Observation/Testing				
Materials Technician	<u>दु जा , एरा</u>		0	
Venicle Travel Charge	\$46.00	T(+p)	0	
Subtotal				
CONCRETE				
Laboratory Testing				
Concrete Compressive Strength Cylinders	\$17,00	each	5	- 5
Fleld Testing/Observation	311,00	0000		
Materials Technician	\$50.00	BOUR	6	33
Non-Destructive Testing (Editorsonic Testing)	\$85.00			
Vehicle Travel Charge	\$50.00			
Subtotal	\$3690	£1.30		
ASPHALT				
Laboratory Testing				
Bag Sample (Extraction, Gradation, A/C content,	\$459.00	୧୫୯୭	1	54
Molding Specimens, Laboratory Density of Molded				
Specimens, Stability Test, Hyeem, Maximum				
Theoretical Specific Gravity)				
Density of Asphait Cores Field Tasting/Observation	\$51,00	each	7	51:
Field Tasting/Observation				
Materials Technician	\$50,00	hour	4	52
Vehicle Travel Charge	\$40.00	TRIP	1	5
Subtotal				58
PROJECT ADMINISTRATION	714130	(han)	0	
Project Manager	\$175.00 \$135.00		M	- 5
Project Engineer (Review Reports)	2132.00	Bon:	4	\$2
Subtotal				52
Reporting and Report Distribution		10% of total cost		
		GRAND TOTAL		\$3,5

Add-Alternate No. 3				
Laboratory Testing Moisture Density Relationship, TSDDF of ASTM	\$249.00	27.27	0	\$0.0
Atterburg Smits	583,00		0	\$0.0
				50,0
Sieve Analysis washed through No. 200	583.00		9	50.0
ume Seiles Cuive	5435.00	83 (n		50.0
Field Testing/Observation				\$252.0
field time Gradations	\$63,00		4	\$700.0
n-Place Nuclear Densities	\$75, (M)		78	
Margnals Tecanician	550.00		32	\$1,600.0
Vehicle Travel Charge	\$40,01	£/132	- 07	\$320,0
Subtotal				\$2,872.0
REINFORCING STEEL OBSERVATIONS				
Field Observation/TestiAR		1		
Maherjak seehnirian	\$50,00	pois,	ō.	\$0.00
Vehicle Travel Charge	540.00	trip	G G	\$0.0
Subtotal				\$0.0
CONCRETE				
aboratory Testing	747.00			\$85.0
Concrete Compressive Strength Cylinders	\$17.00	сасл		\$03.0
Field Testing/Observation Materials Technician	\$50,00			\$300.0
			6	50,00 50,00
Non Destructive Festing (Ultrasonic Festing)	\$85.00			50.0
Vehicle Travel Charge	\$50.00	tan		
Subtotal				50.0
ASPHALT				
Laboratory Testing				
Bag Sample (Extraction, Gradation, A/C content	\$453,00	each	- 21	5453.03
Malding Specimens, Lyboratory Density of Molded				
Specimens, Stability Test, Bycem, Waximum				
Phegretical Specific Gravity)				
Density of Asphalt Cores	\$51,00	each	2	5102.00
Field Testing/Observation				
Materials Technician	\$50,00	hour	4	5200.00
Jehicle Travel Charge	\$4(3,00)	स्राक	3	540 18
Subtotal				\$795.0
DODICET A DARIGHOTT ATION				
PROJECT ADMINISTRATION	5275.00	besta	0	50.0
Project Manager	\$199.00		- 9	5135.0
raject Engineer (Review Reports)	37,00	TRACK	4	
abtotal				\$245.0
Reporting and Report Distribution		10% of total cost		\$0.00
		GRAND TOTAL		53,992.00

Add-Alternate No. 4				
Laboratory Testing Moisture Density Relationshim, TROOT or ASTM	\$249,00	220	o o	\$0.02
	\$83,00		n	\$0.0
Atterbarg Limits	\$83.00		0	50.0
Sieve Analysis washed through No. 200			3	\$0.0
ime Series Curve	\$435.00	each	3	30.0
Field Testing/Observation	E 201 201		2	5126,0
field Lime Gradations	\$64.00 \$25.00		8	5700,0
In-Place Nuclear Descries				\$800.0
Materials Technician	\$50.00		A A	\$160,0
Vehicle Travel Charge	\$40,00	(ng	1	
Subtotal				\$1,286.0
REINFORCING STEEL OBSERVATIONS				
Field Observation/Testing				
Materials Technician	550,00		0	50.00
Vehicle Travel Charge	\$40.00	trip	0	\$0,00
Subtotal				\$0.00
CONCRETE				
Laboratory Testing				
Concrete Compressive Strength Cylinders	\$17.00	each	9	\$0.00
Field Tasting/Observation				
Makerials Technicion	\$50.00	haur	0	\$0.00
Non Bestructive Testing (Ultrasonic Testing)	\$85.00	hour		\$0,00
Velvice Travel Charge	\$50,00	rip		50,00
Subtotal				\$0.00
ASPHALT				
Laboratory Testing				
Bag Sample (Extraction, Gradation, A/C content.	\$453.00	each	1	\$453,00
Molding Specimens, Laboratory Density of Molded				
Specimens, Stability Test, Hyeem, Maximum				
Pheoretical Sperific Gravity)				
Density of Asphait Cores	\$51.00	each	2	\$107.00
Reld Testing/Observation				
Viaterials Technician	550.00	pant	4	\$200.0
Vehicle Travel Charge	\$40.00		í	540.0
Subtotal				\$795.0
PROJECT ADMINISTRATION				
Project Manager	\$175.00	hour	0	\$B.C
Project Engineer (Review Reports)	\$135.00	nout	1	\$135.0
Subtotal				\$245.0
Reporting and Report Distribution		10% of total cost		\$0.0
reserving and report practicalists		GRAND TOTAL		\$2,326.0

General:

- 1. We understand that Williamson County will require the services of experienced engineering technicians as scheduled by you or your representatives. Client will incur a 3 hour minimum charge per each site visit. We request twenty-four (24) hour notification to properly schedule our work.
- 2. Service charges are based on the hourly rates stated herein and will be assessed from the time the Engineer or Technician leaves our office until he returns from the project.
- 3. A vehicle travel charge will be assessed for round trip travel from our office to the project site, material supplier, etc. and back to our office.
- 4. Our total cost of services is based upon the assumption that this project will require a technician on site during normal work hours. Services requested during days and/or hours requiring overtime rates may significantly increase the total cost of services shown herein. Normal work hours are defined as Monday through Friday, 7:00 am to 5:00 pm. Overtime rates at 1.4 times the normal hourly rate will be assessed after eight (8) hours of continuous work per day.