

WORK AUTHORIZATION NO. 1

PROJECT: P464 Expo RV Park

This Work Authorization is made pursuant to the terms and conditions of the Williamson County Contract for Engineering Services, being dated May 1, 2018 and entered into by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and Alliance Engineering Group, Inc (the "Engineer").

Part 1. The Engineer will provide the following Engineering Services set forth in Attachment "B" of this Work Authorization.

Part 2. The maximum amount payable for services under this Work Authorization without modification is \$29,165.00.

Part 3. Payment to the Engineer for the services established under this Work Authorization shall be made in accordance with the Contract.

Part 4. This Work Authorization shall become effective on the date of final acceptance and full execution of the parties hereto and shall terminate on May 31, 2019. The Engineering Services set forth in Attachment "B" of this Work Authorization shall be fully completed on or before said date unless extended by a Supplemental Work Authorization.

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

Part 6. County believes it has sufficient funds currently available and authorized for expenditure to finance the costs of this Work Authorization. Engineer understands and agrees that County's payment of amounts under this 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 this Contract. It is further understood and agreed by Engineer that County shall have the right to terminate this Contract 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 Engineer.

Part 7. This Work Authorization is hereby accepted and acknowledged below.

EXECUTED this ____ day of _____, 20____.

ENGINEER:

ALLIANCE ENGINEERING GROUP, INC.

COUNTY:

Williamson County, Texas

By: 

Signature

WAYNE A. EDWARDS

Printed Name

PRESIDENT

Title

By: _____

Signature

Printed Name

Title

LIST OF ATTACHMENTS

Attachment A - Services to be Provided by County

Attachment B - Services to be Provided by Engineer

Attachment C - Work Schedule

Attachment D - Fee Schedule

Attachment A - Services to be Provided by County

Williamson County will provide a Project Manager and any requested data that is in the County's control.

Attachment B - Services to be Provided by Engineer

Please see next pages.



- GEOTECHNICAL ENGINEERING
- ENVIRONMENTAL CONSULTING
- CONSTRUCTION MATERIALS ENGINEERING
- CONSTRUCTION MATERIALS TESTING

October 4, 2017

Williamson County Parks
Attn: Mr. Randy Bell, Director
3151 SE Inner Loop
Georgetown, Texas 78626

Re: WILCO / Taylor Exposition Center
Taylor, Texas
Alliance Engineering Group Proposal No. P17-0911E

Dear Mr. Bell:

The attached fee schedule and not-to-exceed proposal for the construction observation and materials testing services on the Taylor Exposition Center RV Park are attached for your review. The proposed scope of work, type and frequency of testing were based solely on a review of the project plans from Halff Associates, Inc. dated September 12, 2017 and the Balcones Geotechnical Soils Report dated September 9, 2015.

This not-to-exceed proposal does not include **retesting or re-inspections required due to work or materials found to be non-compliant with the project plans and specifications**. If errors and/or omissions in the type and/or frequency of the observation and testing services are noted, please advise the undersigned at the earliest opportunity so that adjustments can be made to the scope and subsequent fees for the actual anticipated services needed.

We appreciate the opportunity to present this information for your consideration and look forward to an opportunity to be of service.

Respectfully,

Alliance Engineering Group, Inc.
TBPE Firm No. 11290

Wayne A. Eddins
Managing Partner

Dist: Williamson County – Mr. Randy Bell
Williamson County – Mr. Dale Butler

WAE/hk

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200 Mustang Cove · Taylor, Texas 76574
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ALLIANCE ENGINEERING GROUP, INC.

- GEOTECHNICAL ENGINEERING
- ENVIRONMENTAL CONSULTING
- CONSTRUCTION MATERIALS ENGINEERING
- CONSTRUCTION MATERIALS TESTING

<u>WILLIAMSON COUNTY EXPO CENTER RV PARK UNIT RATE SHEET - 2017</u>			
<u>Personnel</u>	<u>Unit</u>	<u>Reg. Hr. Rate</u>	<u>O.T. Rate</u>
Principal	Hr.	\$ 195.00	
Senior Professional Engineer	Hr.	\$ 195.00	
Professional Engineer	Hr.	\$ 130.00	
Project Manager	Hr.	\$ 95.00	
Laboratory Manager	Hr.	\$ 95.00	
Engineer In Training (E.I.T.)	Hr.	\$ 85.00	
Certified Welding Inspector (CWI)	Hr.	\$ 85.00	
TxDOT Level I-A	Hr.	\$ 56.00	\$ 70.00
TxDOT Level 1-B	Hr.	\$ 56.00	\$ 70.00
NICET Certified Soils/Concrete Technician (C.E.T.)	Hr.	\$ 48.00	\$ 60.00
ACI Certified Strength Testing or Aggregate Testing Technician (C.E.T.)	Hr.	\$ 48.00	\$ 60.00
Administrative Assistant	Hr.	\$ 48.00	
Project Engineer - Report Review	Rept.	\$ 25.00	
Vehicle Charge	Trip	\$ 30.00	
Vehicle Charge	Day	\$ 50.00	
<u>Testing Services - Soils</u>	<u>Unit</u>	<u>Unit Rate</u>	
Moisture Content (Tex 103-E)	Ea.	\$ 20.00	
Tex 114-E Proctor	Ea.	\$ 250.00	
Sieve Analysis (Tex 110-E, Pt. 1 Dry)	Ea.	\$ 50.00	
Sieve Analysis (Tex 110-E, Pt. 2 Wet)	Ea.	\$ 80.00	
Atterberg Limits (Tex 104-E, Tex 105-E, Tex 106-E)	Ea.	\$ 75.00	
In-Place Density Tests (Tex 115-E)	Ea.	\$ 20.00	
Hydrometer Analysis (AASHTO T-88)	Ea.	\$ 450.00	
Soil pH (Tex 128-E)	Ea.	\$ 50.00	
Permeability of Soil	Ea.	\$ 350.00	
Linear Bar Shrinkage	Ea.	\$ 75.00	
<u>Testing Services - Concrete</u>	<u>Unit</u>	<u>Unit Rate</u>	
Sieve Analysis of Fine & Coarse Aggregate (Tex 401-A, Tex 402-A)	Ea.	\$ 80.00	
SSD Specific Gravity and Absorption of Aggregates (Tex 403-A)	Ea.	\$ 80.00	
Unit Weight (Tex 404-A)	Ea.	\$ 75.00	
Material Finer than No. 200 Sieve Analysis (Tex 406-A)	Ea.	\$ 75.00	
Organic Impurities in Fine Aggregate (Tex 408-A)	Ea.	\$ 85.00	
Los Angeles Abrasion Test (Tex 410-A)	Ea.	\$ 350.00	
Concrete Cylinder Compressive Strength (Tex 418-A)	Ea.	\$ 16.00	
Concrete Flexural Beam Strength Test (Tex 419-A)	Ea.	\$ 25.00	
2" x 2" Mortar Cubes	Ea.	\$ 16.00	
3.25" x 6.25" Grout Prisms	Ea.	\$ 16.00	
CMU Block Prism Testing	Ea.	\$ 350.00	



- GEOTECHNICAL ENGINEERING
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<u>Testing Services - Hot Mixed Asphaltic Concrete (HMAC)</u>	<u>Unit</u>	<u>Unit Rate</u>	
Sample Preparation	Ea.	\$ 50.00	
Gradation (Tex 210-F, Part 1 & 2)	Ea.	\$ 200.00	
Hamburg Wheel (Tex 242-F)	Ea.	\$ 600.00	
Extraction/Gradation (Tex 236-F)	Ea.	\$ 225.00	
Mixing (Tex 205-F)	Set of 3	\$ 75.00	
HVEEM Stability (Tex 207-F, Tex 208-F)	Set of 3	\$ 50.00	
Laboratory Molded Density (Tex 207-F, Part1)	Set of 3	\$ 45.00	
Max Theoretical (Rice) Specific Gravity (Tex 227-F)	Ea.	\$ 60.00	
Thickness (Tex 140-E)	Ea.	\$ 50.00	
% Air Voids - In Place	Ea.	\$ 75.00	
% Theoretical Density - In Place	Ea.	\$ 75.00	
Moisture Content (Tex 212-F)	Ea.	\$ 25.00	
Coring Rig / Core Bit Charge	Ea.	\$ 175.00	
6" ϕ Core Including Patching & Sample Prep up to 6" Thick	In.	\$ 90.00	
6" ϕ Core Including Patching & Sample Prep from 6" to 10" Thick	In.	\$ 105.00	
3" ϕ Core(Per Inch)	In.	\$ 5.00	
4" ϕ Core(Per Inch)	In.	\$ 6.00	
6" ϕ Core(Per Inch)	In.	\$ 8.00	
<u>Laboratory Testing Services - Flexible Base Material</u>	<u>Unit</u>	<u>Unit Rate</u>	
Tex 113-E Proctor	Ea.	\$ 300.00	
Sample Preparation (Tex 101-E)	Ea.	\$ 50.00	
Atterberg Limits	Ea.	\$ 75.00	
Sieve Analysis (Tex 110-E, Pt. 1 Dry)	Ea.	\$ 50.00	
Sieve Analysis (Tex 110-E, Pt. 2 Wet)	Ea.	\$ 80.00	
Moisture Content (Tex 103-E)	Ea.	\$ 20.00	
Thickness (Tex 140-E)	Ea.	\$ 50.00	
Wet Ball Mill Test (Tex 116-E)	Ea.	\$ 250.00	
Texas Triaxial (Tex 117-E, Tex 118-E, Tex 131-E)	Ea.	\$ 2,250.00	

Project Name: Williamson County Exposition Center RV Park
 Proposal No.: P17-0911C
 Estimated Budget: \$24,364.00
 Date: October 4, 2017

I EARTHWORK

(Estimate 15 production days to complete cut/fill operations)
 (Estimate 20 miscellaneous trips for density testing (utility backfill, culvert backfill, utility tie-ins, manholes, etc.)
 (Estimate 1,880 linear feet of new utilities)
 (Estimate 10" Flexible Base beneath pavement & 8" beneath trails/sidewalks)

1	Moisture/Density Relationships (TEX 113-E)	@	\$300.00 /test	\$	300.00	
2	Moisture/Density Relationships (TEX 114-E)	@	\$250.00 /test	\$	500.00	
3	Atterberg Limits (TEX 104-E, TEX 106-E)	@	\$75.00 /test	\$	225.00	
3	Moisture Content Tests (TEX 103-E)	@	\$20.00 /test	\$	60.00	
8	Gradation (TEX 110-E)	@	\$80.00 /test	\$	640.00	
150	In Place Density Tests (TEX 115-E)	@	\$20.00 /each	\$	3,000.00	
35	Vehicle Charges	@	\$30.00 /trip	\$	1,050.00	
70	NICET Certified Technician Reg. Hours	@	\$48.00 /hour	\$	3,360.00	
0	NICET Certified Technician OT Hours	@	\$60.00 /hour	\$	-	
0	NICET Certified Technician Saturday OT Hours	@	\$75.00 /hour	\$	-	
35	Administrative/Clerical	@	\$48.00 /hour	\$	1,680.00	
5	Project Manager Hours	@	\$95.00 /hour	\$	475.00	
38	Engineering Oversight/Report Review	@	\$25.00 /report	\$	950.00	
				Sub-Total	\$	12,240.00
						\$12,240.00

II SITE CONCRETE

(Estimate 15 Placements for pavements, sidewalks, etc. @ 2 hrs & 4 cylinders each)
 (Estimate 15 sample pick-ups @ 1 Hr. each)
 (Estimate 15 Sets of 4 Cylinders each w/ Air, Slump, Temp)
 (Estimate 3,500 lf of curb placements, 10 placements, 2 hours/placement 4 cylinders/placement)

60	Concrete Cylinders	@	\$18.00 /each	\$	960.00	
15	Air Content, Slump, Temp (TEX 414-1, 415-1 and 418-1)	@	\$0.00 /each	\$	-	
45	ACI Certified Tech. Reg. Hours (Casting & Sample p/up)	@	\$48.00 /hour	\$	2,160.00	
30	Vehicle Charges (including cyl. p/up)	@	\$30.00 /trip	\$	900.00	
5	Administrative/Clerical	@	\$48.00 /hour	\$	240.00	
5	Project Manager Hours	@	\$95.00 /hour	\$	475.00	
15	Engineering Oversight/Report Review	@	\$25.00 /report	\$	375.00	
				Sub-Total	\$	5,110.00
						\$5,110.00

III ASPHALT PAVEMENT

(Estimate 12,417 sf of Asphalt Pavement)
 (Estimate 2 Days of Laydown Operations @ 10 Hrs. & 2 Grab Samples per day)

16	TxDOT I-A Certified Technician (Reg. Hrs.)	@	\$56.00 /hour	\$	896.00	
4	TxDOT I-A Certified Technician (OT Hrs.)	@	\$70.00 /hour	\$	280.00	
16	TxDOT I-B Certified Technician (Reg. Hrs.)	@	\$56.00 /hour	\$	896.00	
4	TxDOT I-B Certified Technician (OT Hrs.)	@	\$70.00 /hour	\$	280.00	
4	Extraction/Gradation (Tex 236-F)	@	\$225.00 /each	\$	900.00	
4	Maximum Theoretical (Rice) Gravity (Tex 227-F)	@	\$60.00 /each	\$	240.00	
4	Stability, Set of 3 (Tex 207-F, Tex 208-F)	@	\$50.00 /set	\$	200.00	
4	Laboratory Molded Density (Tex 207-F, Part 1)	@	\$45.00 /set	\$	180.00	
4	In-Place HMA Thickness/Density (Tex 140-E)	@	\$50.00 /each	\$	200.00	
4	Vehicle Charges	@	\$30.00 /trip	\$	120.00	
4	Administrative/Clerical	@	\$48.00 /hour	\$	192.00	
4	Project Manager Hours	@	\$95.00 /hour	\$	380.00	
12	Engineering Oversight/Report Review	@	\$25.00 /report	\$	300.00	
				Sub-Total	\$	5,064.00
						\$5,064.00

IV PROJECT OVERSIGHT

10	Project Principal Hours	@	\$195.00 /hour	\$	1,950.00	\$ 1,950.00
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TOTAL \$24,364.00

NOTES:

1. Overtime rates of 1.25 times the regular hourly rate will be charged for hours worked over eight (8) hours per day Monday thru Friday or any time before 7:00 a.m. or after 5:00 p.m. Service performed on Saturdays and Sundays will be billed at 1.5 times the regular hourly rate. Services performed on recognized holidays will be billed at 2.0 times the regular hourly rate.
2. All laboratory test fees are F.O.B. our laboratory; additional charge for sample pickup outside of Williamson County may apply.
3. Project Engineer to review/evaluate/sign and seal reports will be billed at \$25/Report
4. Additional tests not specified in this proposal will be quoted upon request.
5. This proposal does not include any costs associated with stand-by, non-readiness charges, and/or trips for re-tests of the previous failing tests.
6. An additional charge will be made for shop inspections made outside of Williamson County. A per diem charge of \$120.00 will be charged for any inspections that will require an overnight stay.

Attachment C - Work Schedule

Work shall begin immediately upon receipt of agreement between County and Alliance Engineering Group Inc. Work schedules will be developed as work is assigned.

Attachment D - Fee Schedule