



- 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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<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	

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 1,860 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	@	\$16.00	/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:

- 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.
- All laboratory test fees are F.O.B. our laboratory; additional charge for sample pickup outside of Williamson County may apply.
- Project Engineer to review/evaluate/sign and seal reports will be billed at \$25/Report
- Additional tests not specified in this proposal will be quoted upon request.
- This proposal does not include any costs associated with stand-by, non-readiness charges, and/or trips for re-tests of the previous falling tests.
- 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.