



August 13, 2018
Project Number 20183368.001A

Mr. Dale Butler
Assistant Director, Projects
Williamson County Facilities
3101 SE Inner Loop
Georgetown, Texas 78626

Subject: Proposal to Provide Construction Materials Testing and Observation

**Project: Williamson County Regional Animal Shelter – Georgetown, Texas
Project No. 16042**

Dear Mr. Butler:

Kleinfelder, Inc. (Kleinfelder) was retained to perform construction materials testing and special inspection services for the subject project. Our initial estimate was submitted in December 2017 in the amount of \$33,188. Since receiving work authorization Kleinfelder has been providing engineering, inspection and testing services at the subject project.

As discussed with you via email on July 24, 2018, additional services were provided by Kleinfelder beyond those estimated in our proposal dated November 15, 2017 (Revised December 19, 2017). *It should be noted our fees for observation and testing services fluctuate for a variety of reasons beyond our control. Because we are performing quality assurance services, we are forced to adhere to the contractor's schedule.* We included the fee estimate totals from our proposal on the attached Table 1. The additional services are presented by task on the attached Table 2, which includes estimates to complete the remaining required inspection and testing services. The additional work required, and remaining work are summarized below:

- Additional soil technician visits as requested by the contractor.
- Additional reinforcing steel and concrete inspection/testing visits, sample pick-up and concrete cylinders due to contractor's approach and scheduling of construction sequences (including overtime).
- Additional project management and administrative time for the above detailed out of scope items.

We have also included a current estimate to complete the project based on a conversation with on site project staff on August 7, 2018. The additional services are presented by task on the attached Table 1 and summarized below:

- There will be additional requests for soils observation or testing.
- Additional visits will be requested for reinforced concrete observation We have included associated travel, trip charges and concrete compression tests.
- HMAC services will be requested and may include the following:
 - Observe and document rolling patterns during asphalt placement and collect one bag sample during each placement for laboratory testing.
 - Obtain drilled asphalt cores for thickness confirmation, and in-place density vs. laboratory theoretical unit weight.
- Additional project management and administrative time for the above detailed items and project closeout.

We estimate the additional fee for the scope of services described above will be approximately **\$21,848**, as detailed in the attached additional fee estimate. Accordingly, we are requesting that our authorized budget be increased from \$33,188 to **\$55,036**.

As we cannot predict the actual level of effort that will be required for every task, our services will continue to be provided on a time-and-expense basis in accordance with The Work Authorization Number 1, with an effective date of January 9, 2018 and under the limitations and assumptions presented in our November 15, 2017 (Revised December 19, 2017) proposal. ***Williamson County will only be billed for work actually performed. If we can complete the additional requested tasks for less than the estimated amounts, we will.***

To authorize these additional services, we request that you forward an additional task order. If you have additional questions, please do not hesitate to contact us.

LIMITATIONS

Our work will be performed in a manner consistent with that level of care and skill ordinarily exercised by other members of Kleinfelder's profession practicing in the same locality, under similar conditions and at the date the services are provided. Our conclusions, opinion and recommendations will be based on a limited number of observations and data. It is possible that conditions could vary between or beyond the data evaluated. Kleinfelder makes no guarantee or warranty, express or implied, regarding the services, communication (oral or written), report, opinion, or instrument of service provided.

Even with diligent monitoring, construction defects may occur. In all cases, the contractor is solely responsible for the direction and quality of the work, adherence to plans and specifications, and repair of defects.

This proposal is valid for a period of 60 days from the date of the proposal, unless a longer period is specifically required, in which case the longer period will apply. This proposal was prepared specifically for the client and its designated representatives and may not be provided to others without Kleinfelder's express permission.

CLOSURE

We greatly appreciate the opportunity to continue providing our professional services to Williamson County. If you have any questions, comments, or require additional information, please contact the undersigned at 512.926.6650.

Sincerely,

KLEINFELDER, INC.

Texas Registered Engineering Firm F-16438



Orlando Boscan, PE
Project Manager



Jeremy L. Larsen
National Service Manager

Attachment:

Table 1 (Original Fees submitted on November 15, 2017 (Revised December 19, 2017)

Table 2 – Additional Project Estimate and Schedule of Fees



**WILLIAMSON COUNTY FACILITIES
WILLIAMSON COUNTY REGIONAL ANIMAL SHELTER - GEORGETOWN, TX
CONSTRUCTION MATERIALS ENGINEERING & TESTING SERVICES
PROJECT ESTIMATE & SCHEDULE OF FEES
TABLE 1 (SUBMITTED November 15, 2017, Revised December 19, 2017)**

DESCRIPTION OF SERVICES	NOTES	QUANTITY	UNIT	RATE	TOTAL
A. SOILS SERVICES (EARTHWORK TESTING)					
Soils Services - Field Testing					
Field Technician		66	hours	\$58.00	\$3,828.00
Density Gauge (Field Density Testing)		11	trip	\$25.00	\$275.00
Technician - Sample Pick Up		12	hours	\$58.00	\$696.00
Vehicle Charge		15	trip	\$40.00	\$600.00
Soils Services - Laboratory Testing					
Sieve Analysis, #200 Wash	ASTM D-1140	4	each	\$85.00	\$340.00
Moisture-Density Relationship	TxDOT 114E/1	4	each	\$275.00	\$1,100.00
Atterberg Limit Test (PI Test)	ASTM D-4318	4	each	\$115.00	\$460.00
				Subtotal:	\$7,299.00
B. Drilled Pier Observation					
Staff Professional		40	hours	\$111.00	\$4,440.00
Staff Professional - Overtime		15	hours	\$111.00	\$1,665.00
Technician - Sample Pick Up		9	hours	\$58.00	\$522.00
Concrete Equipment		6	trip	\$7.00	\$42.00
Vehicle Charge		9	trip	\$40.00	\$360.00
Concrete Services - Laboratory Testing					
Concrete Cylinders - Compressive Strength	ASTM C-39	100	each	\$31.00	\$3,100.00
				Subtotal:	\$10,129.00
C. REINFORCING STEEL & CONCRETE SERVICES					
Reinforcing Steel Services - Field Observation					
Field Technician		32	hours	\$58.00	\$1,856.00
Vehicle Charge		5	trip	\$40.00	\$200.00
Concrete Services - Field Observation & Testing					
Field Technician		32	hours	\$58.00	\$1,856.00
Concrete Equipment		4	trip	\$7.00	\$28.00
Technician - Sample Pick Up		15	hours	\$58.00	\$870.00
Vehicle Charge		9	trip	\$40.00	\$360.00
Concrete Services - Laboratory Testing					
Concrete Cylinders - Compressive Strength	ASTM C-39	48	each	\$31.00	\$1,488.00
				Subtotal:	\$6,658.00
D. STRUCTURAL STEEL SERVICES					
CWI, Technician		50	hours	\$115.00	\$5,750.00
UT Testing Equipment			day	\$120.00	
Vehicle Charge		10	trip	\$40.00	\$400.00
				Subtotal:	\$6,150.00
E. PROJECT MANAGEMENT & ADMINISTRATION					
Project Manager		8	hours	\$141.00	\$1,128.00
Assistant Project Manager		4	hours	\$98.00	\$392.00
Project Coordinator, Dispatcher		4	hours	\$98.00	\$392.00
Administration		16	hours	\$65.00	\$1,040.00
				Subtotal:	\$2,952.00

Project Estimate Total: \$33,188.00



**WILLIAMSON COUNTY FACILITIES
WILLIAMSON COUNTY REGIONAL ANIMAL SHELTER - GEORGETOWN, TX
CONSTRUCTION MATERIALS ENGINEERING & TESTING SERVICES
ADDITIONAL PROJECT ESTIMATE & SCHEDULE OF FEES
TABLE 2**

DESCRIPTION OF SERVICES	QUANTITY	UNIT	RATE	TOTAL
A. SOILS SERVICES (EARTHWORK TESTING)				
Soils Services - Field Testing				
Field Technician	90	hours	\$58.00	\$5,220.00
Density Gauge (Field Density Testing)	10	trip	\$25.00	\$250.00
Technician - Sample Pick Up	10	hours	\$58.00	\$580.00
Vehicle Charge	10	trip	\$40.00	\$400.00
			Subtotal:	\$6,450.00
B. REINFORCING STEEL & CONCRETE SERVICES				
Reinforcing Steel Services - Field Observation				
Field Technician	30	hours	\$58.00	\$1,740.00
Vehicle Charge	6	trip	\$40.00	\$240.00
Concrete Services - Field Observation & Testing				
Field Technician	30	hours	\$58.00	\$1,740.00
Field Technician - Overtime		hours	\$87.00	\$0.00
Concrete Equipment	6	trip	\$7.00	\$42.00
Vehicle Charge	6	trip	\$40.00	\$240.00
Concrete Services - Laboratory Testing				
Concrete Cylinders - Compressive Strength	30	each	\$31.00	\$930.00
			Subtotal:	\$4,932.00
C. HOT MIX ASPHALTIC CONCRETE TESTING				
Laboratory Testing				
Field Cut Cores	8	each	\$61.00	\$488.00
AC Max THEO SPG	2	each	\$66.00	\$132.00
AC Cores Wt./Thick	8	each	\$44.00	\$352.00
AC AGG Gradation	2	each	\$130.00	\$260.00
AC Extraction	2	each	\$130.00	\$260.00
AC Hveem Stability	2	each	\$176.00	\$352.00
Field Testing				
Asphalt Services	24	hours	\$58.00	\$1,392.00
Vehicle Charge	4	trip	\$40.00	\$160.00
			Subtotal:	\$3,396.00
D. PROJECT MANAGEMENT & ADMINISTRATION				
Project Manager	40	hours	\$141.00	\$5,640.00
Administration	22	hours	\$65.00	\$1,430.00
			Subtotal:	\$7,070.00

Project Estimate Total: \$21,848.00