

WORK AUTHORIZATION NO. 2

PROJECT: Construction Materials Testing River Ranch County Park Phase I

This Work Authorization is made pursuant to the terms and conditions of the Williamson County Contract for Engineering Services, being dated December 01, 2016 and entered into by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and Raba Kistner Consultants, 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 \$62,475.31.

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 July 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:

Raba Kistner Consultants, Inc.

By: 
Signature

Gabriel Ornelas, Jr.
Printed Name

Senior Vice President
Title

COUNTY:

Williamson County, Texas

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

1. County will direct type of services to be provided.
2. County will provide timely reviews and decisions necessary to enable Raba Kistner to maintain an agreed upon project schedule as developed in attached Attachment C.
3. County will provide points of contact to be identified upon Notice to Proceed.
4. County will provide project management.

Attachment B - Services to be Provided by Engineer

Attachment C - Work Schedule

Raba Kistner Consultants, Inc. shall provide a work schedule for the assigned tasks. Work shall begin immediately upon receipt of agreement between County and Raba Kistner Consultants, Inc. on the work schedule and authorization to proceed on assigned services.

Attachment D - Fee Schedule



[Delivery by Email: dbutler@wilco.org]

Proposal No. PAA18-034-00
February 27, 2018

Raba Kistner
Consultants, Inc.
8100 Cameron Road, Suite B-150
Austin, TX 78754
www.rkci.com

P 512 :: 339 :: 1745
F 512 :: 339 :: 6174
TBPE Firm F-3257

Mr. Dale Butler
Project Manager
Williamson County Facilities
3101 SE Inner Loop
Georgetown, Texas 78626

**RE: Geotechnical Engineering Study
 River Ranch County Park Interpretive Center
 Williamson County, Texas**

In accordance with your request, RABA KISTNER Consultants Inc. (RKCI) is pleased to submit this proposal for Geotechnical Engineering Services for the referenced project. The broad objectives of our study will be to determine soil conditions at the site and to develop foundation design recommendations for a new interpretive center at River Ranch County Park in Williamson County, Texas. Described in this letter are:

- our understanding of pertinent project characteristics;
- our proposed scope for field and laboratory study;
- our proposed scope for engineering evaluation and reporting;
- our tentative project schedule; and
- our lump sum study cost.

Project Description

Under consideration in this study is a new, single story Interpretive Center facility to be located within the existing River Ranch County Park in Williamson County, Texas. Based on information provided by the structural engineer, Mr. Vic Winter, P.E., with Winter Engineering, we understand shallow foundations are preferred provided expansive soil-related movements do not pose a concern. We also understand building pad preparation for the proposed 5,500 square foot building should result in a potential vertical rise (PVR) of 1 in. or less.

Field Study

To explore subsurface conditions in the vicinity of the new Interpretive Center, RKCI recommends one (1) soil boring to a depth of 15 ft below the existing ground surface.

Samples will be taken using conventional split-spoon, Shelby-tube and/or NX rock core sampling techniques. The boring will be located in the field utilizing a recreation grade hand-held GPS device and/or tape and right angle measurements from existing benchmarks. Our scope of service does not include surveying in the boring location.

Upon completion of drilling, the boring will be backfilled utilizing auger cuttings and bentonite hole plug.

Proposal No. PAA18-034-00
February 27, 2018

Engineering Deliverable

The field and laboratory phases of the study will be reviewed by our staff of engineers and geologists. The results of our review, together with the supporting field and laboratory data, will be presented in a written engineering letter with attachments to include the following:

- Boring Location Map;
- Log of Boring;
- Estimated PVR;
- Required building pad preparation to reduce RVR to 1 in.; and
- Shallow foundation recommendations.

Since site grading plans can result in changes in the foundation subgrade conditions, final site grading plans will be helpful information in the preparation of engineering recommendations. In the absence of site grading information, we will prepare recommendations based on the existing topography.

The final letter will be reproduced in an electronic PDF will be delivered via email.

Tentative Project Schedule

Based on our present workload, we anticipate that we could begin the field exploration phase of this study within 3 to 4 working days of receiving your written authorization. The field exploration and laboratory testing phase of the study is expected to take approximately 1 to 1-1/2 weeks to complete. Engineering analyses and preparation of the engineering letter is expected to take an additional 1 to 2 weeks to complete. We will be pleased to provide the design team with verbal design information as the data becomes available.

Project Cost

The cost plus max for the base study scope outlined herein is **\$2,462.71**.

Should unusual soil conditions be encountered in the field that indicates the desirability of significantly broadening the scope of the study, we will contact you to receive authorization before proceeding with any additional work.

Any additional professional time or travel expenses for participation in design team meetings, if required, will be billed at our approved billing rates for professional time plus expenses.

Acceptance

We appreciate the opportunity of submitting this proposal and look forward to working with you, which will be carried out in accordance with the *ON CALL GEOTECHNICAL AND LAB TESTING SERVICES* contract between Williamson County and Raba Kistner Consultants, Inc., executed on February 5, 2016.

Proposal No. PAA18-034-00
February 27, 2018

Please return one signed copy of this letter proposal to provide written authorization for our firm to complete work on the services outlined herein.

RKCI considers the data and information contained in this proposal to be proprietary. This statement of qualifications and any information contained herein shall not be disclosed and shall not be duplicated or used in whole or in part of any purpose other than to evaluate this proposal.

Very truly yours,

RABA KISTNER CONSULTANTS, INC.

Accepted
By:

Signature


Yvonne Garcia Thomas, P.E.
Associate

Typed or Printed Name

YGT: tlc

Title

Copies Submitted: Above (1)

Date

[Delivered by e-mail to: rlubecker@wilco.org]
PAD18-155-00
November 9, 2018



Mr. Bob Lubecker
Williamson County Facilities
3101 SE Inner Loop
Georgetown, TX 78626

**Re: Preliminary Cost Estimate for Construction Materials Testing
River Ranch County Park – Phase 1
County Road 282 & Hwy 1869, Williamson County, Texas**

P 512.339.1745 F 512.339.6174
TBPE Firm F-3257

Dear Mr. Lubecker:

Raba Kistner Consultants, Inc. (RKCI) is pleased to submit our preliminary estimate to provide the construction materials observation and testing services on the above-referenced project. This estimate was prepared utilizing the unit rates accepted in the On Call Geotechnical and Lab Testing Services Contract Work Authorization No. 1, dated February 18, 2015 and Amendment No. 1, dated June 6, 2017.

We propose a preliminary estimated budget of **\$60,012.00** for construction materials testing and observation services for the referenced project. This budget is based on our limited understanding of the project, an estimate of quantities that include very broad assumptions, a review of Design Development Documents, and past experience with similar projects. A cost estimate breakdown is presented in the attached spreadsheet. Construction sequencing, delays, and the number of times that the client or their representative requests our services will affect the suggested budget. Services will be provided on a call out basis for the unit fees attached to the proposal.

The scope of work includes the observation and testing of the following construction materials:

- Earthwork observations,
- Reinforcing steel observations,
- Concrete compressive strength specimen sampling, testing, and reporting,
- Asphalt observation

This proposal may serve as RKCI's work agreement for the referenced project. Please sign this proposal, initial every page of each attachment, fill out the Report Distribution List, and return one signed original to our office as authorization for RKCI to provide these services. If you choose to issue your own purchase order or work agreement, please reference our proposal number.

Thank you for allowing RKCI the opportunity to submit our proposal for the construction materials observation and testing services. We have a fully equipped AASHTO Accredited laboratory and we look forward to providing these services to you during the construction of this project. If you have any questions concerning our proposal or need any additional information, please call us at (512) 339-1745.

Very truly yours,

RABA KISTNER CONSULTANTS, INC.

David A. Brown
CoMET Estimating Project Manager
DB: cr

Approved
By:

(Signature)

(Printed or Typed Name)

(Title)

(Company Name)

(Date)

Attachments: Cost Estimate Breakdown
Scope of Work
Report Distribution
Terms and Conditions

COST ESTIMATE BREAKDOWN				
Project Name:	River Ranch County Park - Phase 1			
Project Location:	County Road 282 & Hwy 1869, Williamson County, TX			
Contact Name:	Bob Lubecker			
Client:	Williamson County Facilities			
Address:	3101 SE Inner Loop			
City/State /Zip	Georgetown, Tx, 78626			
Phone Number:	512-341-6271			
E-Mail:	rlubecker@wilco.org			
TESTING/OBSERVATION ITEM	UNIT COST	UNIT	ESTIMATED QUANTITY	COST EXTENSION
SOILS				
Laboratory Testing				
Moisture Density Relationship, TxDOT or ASTM	\$249.00	each	8	\$1,992.00
Atterberg Limits	\$83.00	each	8	\$664.00
Sieve Analysis - washed through No. 200	\$83.00	each	8	\$664.00
Lime Series Curve	\$435.00	each	2	\$870.00
Sulfate Testing	\$75.00	each	20	\$1,500.00
Field Testing/Observation				
Field Lime Sieve Analysis	\$63.00	each	10	\$630.00
In-Place Nuclear Densities	\$25.00	each	369	\$9,225.00
Materials Technician	\$50.00	hour	520	\$26,000.00
Vehicle Travel Charge	\$40.00	trip	131	\$5,240.00
Subtotal				\$46,785.00
REINFORCING STEEL OBSERVATIONS				
Field Observation/Testing				
Materials Technician	\$50.00	hour	40	\$2,000.00
Vehicle Travel Charge	\$40.00	trip	12	\$480.00
Subtotal				\$2,480.00
CONCRETE				
Laboratory Testing				
Concrete Compressive Strength Cylinders	\$17.00	each	60	\$1,020.00
Field Testing/Observation				
Materials Technician	\$50.00	hour	68	\$3,400.00
Vehicle Travel Charge	\$40.00	trip	17	\$680.00
Subtotal				\$5,100.00
ASPHALT				
Laboratory Testing				
Bag Sample (Extraction, Gradation, A/C content, Molding Specimens, Laboratory Density of Moldec Specimens, Stability Test, Hveem, Maximum Theoretical specific Gravity)	\$459.00	each	3	\$1,377.00
Density of Asphalt Cores	\$60.00	each	12	\$720.00
Field Testing/Observation				
Materials Technician	\$50.00	hour	12	\$600.00
Vehicle Travel Charge	\$40.00	trip	3	\$120.00
Subtotal				\$2,817.00
PROJECT ADMINISTRATION				
Senior Engineer	\$200.00	hour	2	\$400.00
Project Manager	\$175.00	hour	6	\$1,050.00
Project/Coordinator	\$60.00	hour	12	\$720.00
Clerical	\$55.00	hour	12	\$660.00
Subtotal				\$2,830.00
GRAND TOTAL				\$60,012.00

REPORT DISTRIBUTION LIST

Please provide RKCI with project distribution for our submittal of reports on this project. Unless otherwise indicated, testing and observation reports will be distributed via email.

Client: _____

Attention: _____

Phone No.: _____ Email: _____

Architect: _____

Attention: _____

Phone No.: _____ Email: _____

Engineer: _____

Attention: _____

Phone No.: _____ Email: _____

Contractor: _____

Attention: _____

Phone No.: _____ Email: _____

Other: _____

Attention: _____

Phone No.: _____ Email: _____

Please return this Attachment via fax or mail with signed Authorization.