

HIDALGO COUNTY
Professional Engineering Services
Contract # C-20-215-06-16
Work Authorization Form

WORK AUTHORIZATION NO. 1

THIS WORK AUTHORIZATION is made pursuant to the terms and conditions of Section I.A. of the Agreement made by and between **HIDALGO COUNTY**, action herein by and through the **Commissioner's Court**, hereinafter called the "**Owner**," and, **Raba Kistner, Inc.**, professional engineers of McAllen, Texas, hereinafter called "**Engineer**".

PART 1. SCOPE OF WORK

The purpose of this Work Authorization is for the **Engineer** to provide construction materials observation and testing services for the Mile 5 ½ West (M10-M11½) Road Project in Precinct No. 1.

The scope of services to be provided by the **Owner** is identified in **EXHIBIT "A" - Scope of Services to be Provided by the Owner** attached hereto.

The scope of services to be provided by the **Engineer** is identified in **EXHIBIT "B" - Scope of Services to be Provided by the Engineer** attached hereto.

PART 2. ESTIMATED COST

The estimated cost for services under this Work Authorization is \$ **19,668.64**. This amount is based upon the costs outlined in the Estimated **Cost Proposal** attached hereto as **EXHIBIT "D"**.

PART 3. PAYMENT

Compensation and payment to the Engineer for the services established under this Work Authorization shall be made in accordance with **Article/Part/Section**___ of the Agreement.

PART 4. FUNDING

This Work Authorization No. 1 Shall be funded through funding source:

Account No. _____

Requisition Number _____ (MUST BE INCLUDED AFTER CC APPROVAL)

PART 5. PERIOD OF SERVICE

This Work Authorization shall become effective on the date of final acceptance of the parties hereto, and terminate upon project completion as indicated in the "Exhibit C- Preliminary Work Schedule".

PART 6. RESPONSIBILITIES AND OBLIGATIONS

This Authorization does not waive the parties' responsibilities and obligations provided under the **Agreement**.

PART 7. ACKNOWLEDGEMENT AND CONFIRMATION

Acknowledgement and confirmation by **Hidalgo County Precinct No.1 Commissioner David L. Fuentes**, as to content and detail of this **Work Authorization No.1**.

**HIDALGO COUNTY
COMMISSIONER PRECINCT No.1**

BY: _____
David L. Fuentes

PART 8. ACCEPTANCE AND APPROVAL

This Work Authorization is hereby accepted, approved by Hidalgo County Commissioners' Court on _____ as indicated below and effective as of ___ day of _____, 2021.

**THE ENGINEER:
Raba Kistner, Inc.**

**By: Isidoro Arjona, PE
Senior Vice President**

**THE OWNER:
HIDALGO COUNTY**

By: Richard F. Cortez, County Judge

ATTEST:

By: Arturo Guajardo, Jr., County Clerk

LIST OF ATTACHMENTS

- EXHIBIT "A" - Services to be provided by the Owner
- EXHIBIT "B" - Services to be provided by the Engineer
- EXHIBIT "C" - Work Schedule
- EXHIBIT "D" - Cost Proposal

EXHIBIT "A"
SCOPE OF SERVICES TO BE PROVIDED BY THE OWNER

The following provides an outline of the services to be provided by the **Owner** in the development of the proposed Second Story Addition to the Existing Storage Building at Precinct 4 located within Hidalgo County hereinafter denoted as the **Project**.

GENERAL:

The **Owner** will provide to the **Engineer** the following:

- 1) Provide the authorization to proceed with services through coordination with the project consulting and design Engineer.
- 2) Payment for work performed by the **Engineer** and accepted by the **Owner** in accordance with Article 3 of the Agreement.
- 3) Assistance to the **Engineer**, as necessary, to obtain the required data and information from other local, regional, State and Federal agencies the **Engineer** cannot easily obtain.
- 4) Provide any available relevant data the **Owner** may have on file concerning the **Project**.
- 5) Provide timely review and decisions in response to the **Engineer's** request for information and/or required submittals and deliverables, in order for the **Engineer** to maintain the agreed upon work schedule prepared in accordance with Exhibit "C" attached to this Work Authorization.
- 6) Attend and participate in progress meetings as required and as coordinated and conducted by **Engineer**.

EXHIBIT B

Scope of Service to be provided by the Engineer

The services designed herein as “Services provided by the ENGINEER” shall include the performance of all engineering services and project description in (*attachments herein*) for the following described facility:

ENTITY	Hidalgo County Precinct No. 1
Project Description	Proposal for Construction Materials Observation and Testing Services “Mile 5 ½ West [M10-M11 ½] Road Project in Precinct No.1” “ON CALL” CMT SERVICE AGREEMENT No. <u>C-20-215-06-16</u>
Engineer	Raba Kistner, Inc.

Proposal No.: PMD20-116-01
January 6, 2021



Raba Kistner, Inc.
800 East Hackberry
McAllen, TX 78501
www.rkci.com

P 956.682.5332
F 956.682.5487
TBPE Firm F-3257
TBAE Firm BR 3427

Exhibit B

Mr. Jorge Peña
Hidalgo County Precinct No. 1
1902 Joe Stephens Ave.
Weslaco, Texas 78596

**RE: Proposal for Construction Materials Observation and Testing Services
Hidalgo County Pct. 1 Paving Improvements
Mile 5 ½ West (Mile 10 North Road to Mile 11 ½ North Road)
Weslaco, Hidalgo County, Texas**

Dear Mr. Peña:

RABA KISTNER Consultants, Inc. (RKCI) is pleased to have been selected to provide a proposal for Construction Materials Observation and Testing Services in accordance with the On-Call agreement (c-18-303-02-12) for the above referenced project.

Our opinion of probable cost of services for this project is **\$ 19,668.64.**

Our proposed scope of services and estimated item quantities are based upon our interpretation of the project plans provided to us via electronic-mail attachment link, on Wednesday, December 16, 2020, from Mr. Javier Hinojosa, P.E., with Javier Hinojosa Engineering, the projects civil engineer, and are without the aid of the general contractor's schedule. The scope and quantity of services provided will be dependent upon the actual services required/requested by you and/or your representatives. Charges will be assessed only for actual services rendered. All services authorized or requested by you and/or your representatives in excess of the quantities of observation and testing services shown herein will be charged at the appropriate unit rate for such services. Charges will be invoiced on a monthly basis and will show a computerized composite total of services rendered for each service category.

This amount should not be considered a maximum but is **RKCI's** estimate of the probable costs associated with implementing the work outlined on Page Nos. 4 of this document. The means/methods, sequencing, and scheduling of the Contractor and its Subcontractors, can significantly impact our estimate of the probable cost.

Invoices will be submitted monthly for work in progress in our standard format. Our invoices are due and payable upon receipt at P.O. Box 971037, Dallas, Dallas County, Texas 75397-1037. All parties hereby agree that this contract upon acceptance will be performable in Bexar County, Texas. In the event that the State of Texas legislates a sales tax on professional services, the amount of tax applicable will be added to the appropriate service rate charged by **RKCI.**



Exhibit B

We appreciate the opportunity of submitting this proposal and look forward to working with you during the construction of this project. Please return one signed copy of this letter proposal to provide written authorization for our firm to commence work on the services outlined herein. Please complete the attached Project Data Sheet for invoicing and reporting information.

Very truly yours,

RABA KISTNER Consultants, Inc.



Eloy Arredondo
CME Supervisor

EA/WP

Accepted By _____
(Signature)

(Typed or Printed Name)

(Title)

Date _____



BASIC CHARGES

1. 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. The charges for travel from our office to the project site and return to our office will be as follows:

Travel Time (round trip) _____ 1.0 /hour(s)

Vehicle Trip Charge _____ \$53.00/trip

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. Any engineering and/or technical services provided on Saturday, Sunday and all work in excess of "normal" work hours, as stated herein, Monday through Friday, will be charged at an overtime rate of 1.5 times the appropriate hourly rate. Our total cost of services is based upon the assumption most services will be provided during "normal" work hours. Providing an excessive amount of services during days and/or hours requiring overtime rates may significantly increase the total cost of services shown herein.
4. "Normal" work hours are between 7:00 a.m. and 6:00 p.m., including travel time to and from the site unless stated otherwise. Overtime charges will be assessed after eight (8) continuous hours of service rendered during "normal" work hours.
5. Minimum of 2.0 hours billing per visit to project site.
6. A ten (10) percent project management and administration cost will be added to all invoices.
7. Our opinion of probable cost for each proposal to be submitted is based upon an estimate of the construction materials observation and testing services required to meet the project requirements. Because the general contractor has control over the project and determines the means and methods used to build/construct the project, our proposed scope of services is an estimate. On the basis of the general contractor's schedule, potential retesting of non-compliance items, weather related issues, the actual total services and fees may be higher or lower than the estimates in our proposal. **RKCI** will keep you **CLIENT** apprised of our billings in comparison to our opinion of probable cost (project budget) over the life of the project. All tests noted as retests of previously non-complaint areas will be billed to the **CLIENT**. **RKCI** will invoice these tests separately to allow **CLIENT** to segregate the charges from our normal charges. This will allow **CLIENT** to back charge the general contractor as necessary. **CLIENT** will be responsible for payment of all services rendered by **RKCI** for the project.
8. **RKCI** will utilize the on-site initial field curing facilities provided by the contractor. The cost of providing and maintaining these initial curing facilities is not included in our proposal.

CONSTRUCTION MATERIALS TESTING UNIT RATES
HIDALGO COUNTY PCT. 1 PAVING IMPROVEMENTS MILE 5 ½ WEST

SERVICE	UNIT RATE		QUANTITY	TOTAL
Earthwork:				
1. Moisture-Density Relationship (Proctor)	\$263.50	each	4	\$1,054.00
2. Atterberg Limits Determinations (P.I.) (ASTM/AASHTO)	\$96.25	each	4	\$385.00
3. Sieve Analysis -200	\$65.00	each	2	\$130.00
4. Sieve Analysis - Sand or Gravel	\$65.00	each	2	\$130.00
5. Technician Time Sampling	\$56.00	hour	8	\$448.00
6. Lime Series Curve Determination Five Limits Ph.	\$473.25	hour	As requested	
7. Field Density Test - Pavement Section	\$24.00	each	32	\$768.00
8. Technician Time - Density Testing - Pavement Section	\$56.00	hour	16	\$896.00
9. Field Density Test - RCP (under pavement section)	\$24.00	each	56	\$1,344.00
10. Technician Time - Density Testing - RCP (under pavement section)	\$56.00	hour	56	\$3,136.00
11. Proof Rolling Observation	\$56.00	hour	As requested	
12. Vehicle Travel Charge	\$53.00	trip	44	\$2,332.00
Subtotal				\$10,623.00
Concrete:Pad (1 set per 150 cy / min of 3 sets per class of concrete)				
1. Concrete Compressive Strength Tests	\$17.50	each	25	\$437.50
2. Technician Time - Concrete Testing	\$56.00	hour	10	\$560.00
3. Air Content of Concrete	\$33.00	each	5	\$165.00
4. Technician Time - Pick-Up of Specimen(s)	\$56.00	hour	10	\$560.00
5. Vehicle Travel Charge	\$53.00	trip	10	\$530.00
Subtotal				\$2,252.50
Asphalt:				
1. Asphaltic Concrete Laydown Observation	\$68.00	hour	16	\$1,088.00
2. Extraction, Gradation, Bitumen Content and Laboratory Density of Asphaltic Concrete	\$325.50	each	4	\$1,302.00
3. Maximum Theoretical Specific Gravity of Asphalt	\$119.00	each	4	\$476.00
4. Nuclear Densities	\$18.75	each	20	\$375.00
5. Asphaltic Concrete Coring:				\$0.00
a.) Two Men	\$119.50	hour	6	\$717.00
b.) Coring Rig	\$134.00	day	1	\$134.00
c.) Generator	\$112.50	day	1	\$112.50
d.) Bit Wear - Quartz Aggregate (River Gravel)	\$6.18	in.-in.	56	\$346.08
e.) Core Density (1 Core per 5000 sqft)	\$26.00	each	7	\$182.00
6. Vehicle Travel Charge	\$54.50	trip	5	\$272.50
Subtotal				\$5,005.08
Professional Services:				
1. Project Coordination	\$104.00	hour	As requested	
2. Geotechnical / Materials Engineer	\$156.00	each	As requested	
3. Vehicle Travel Charge	\$53.00	trip	As requested	
Subtotal				
Other:				
1. Project Administration(Markup of Invoiced Billing Cycle)	10%			\$1,788.06
Subtotal				\$1,788.06
			GRAND TOTAL	\$19,668.64



Exhibit B

Fees for Consulting & Coordination Services

Unit Fees

Principal Engineer.....	\$ 190.00 to 320.00/hr
Managing Engineer	123.00 to 210.00/hr
Staff Engineer	97.00 to 170.00/hr
Laboratory Manager	77.00 to 150.00/hr
Construction Services Manager	77.00 to 150.00/hr
Outside Professional Services & Reimbursable	Cost +15%
Additional Insured	225.00/ea
Report Preparation and Administration	49.00 to 84.00/hr



EXHIBIT C

Work Schedule

TBD once construction schedule is established

EXHIBITT D

Cost Proposal

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