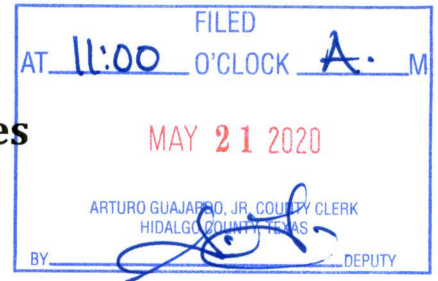


HIDALGO COUNTY
Professional Engineering Services
Contract # C-19-209-09-03
Work Authorization Form



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 San Carlos Surplus Storage Improvements project.

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 **\$ 21,699.70**. 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.4 Commissioner Ellie Torres**, as to content and detail of this **Work Authorization No. 1**.

**HIDALGO COUNTY
COMMISSIONER PRECINCT No.4**

BY: *Ellie Torres*
Ellie Torres

PART 8. ACCEPTANCE AND APPROVAL

This Work Authorization is hereby accepted, approved by Hidalgo County Commissioners' Court on 05/05/20 as indicated below and effective as of 5th day of May, 2020.

THE ENGINEER:
Raba Kistner, Inc.
[Signature]

THE OWNER:
HIDALGO COUNTY
Richard F. Cortez

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

By: **Richard F. Cortez, County Judge**

ATTEST:
[Signature]
By: **Arturo Guajardo, Jr., County Clerk**

APPROVED BY
COMMISSIONERS' COURT
ON: 5/5/20 *[Signature]*

LIST OF ATTACHMENTS

- EXHIBIT "A" - Service 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"

Services to be provided by the county

The following provides an outline of the services to be provided by the Owner in the development of Projects (as defined and more particularly identified in Exhibit "A" attached to this Agreement).

General:

The Owner will provide to the Laboratory the following:

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

Exhibit "B"

Services to be provided by Engineer

The services to be provided by the LABORATORY in providing Construction Materials Testing Services, Construction Observation Services Hidalgo County Precinct No. 4 Projects, "**ON A AS NEEDED BASIS**" and projects is as follows:

Construction/Maintenance Phase:

- 1) Attend the OWNER'S and respective Party's pre-construction and construction meetings as requested for the purpose of explaining geotechnical investigation report recommendation and preliminary testing results and their impact to proposed construction activities and establish coordination and lines of communication for proposed construction materials testing during construction activities.
- 2) Consult and advise with the OWNER during construction.
- 3) Provide construction materials testing for construction and maintenance project as required by the project plans and specifications and/or specified by the project design Laboratory.
- 4) Review all material designs as requested by the OWNER and/or project design Laboratory.
- 5) Furnish the OWNER all necessary reports for construction and maintenance projects.
- 6) Provide construction observation services as requested by the OWNER on construction and maintenance projects.

A. Miscellaneous/Other:

- 1} Act for Owner in professional manner, using that degree of care and skill ordinarily exercised by and consistent with the standards of the profession.
- 2} Perform all technical services under the general direction of a Licensed Professional Laboratory in the State of Texas and in substantial accordance with the basic requirements of the appropriate Standards of the American Society for Testing and Materials, where applicable, or other standards designated by County.
- 3} Employ testing machines which have been calibrated within a period not exceeding twelve (12) months from the time of use by devices of accuracy traceable to the National Institute for Standards and Technology (NIST) of the United States Department of Commerce, and, upon request, submit to the OWNER or its authorized representative documentation of such

calibration.

- 4) Promptly submit formal construction materials testing reports for all tests, observations and services performed indicating where applicable, compliance with OWNER specifications or other documents. Such reports shall be completed and factual, citing the tests performed, methods employed, values obtained, parts of the structure and location at which tests were made.
- 5) The plans and specifications prepared under this Agreement shall become the property of the OWNER upon completion of the work and payment in full of all monies due to the Laboratory.
- 6) Retain all pertinent records relating to the services performed for a period of five (5) years following submission of all reports, during which period the records will be made available to the Owner within a reasonable time.

NOTE: Change in and/or additional services to Scope will require prior approval from Owner prior to undertaking.

EXHIBIT “C”

-Work Schedule-

- The construction materials testing & engineering services will be provided on-site on as needed basis.
- A 24-hr notice will be required to schedule any service.

CONSTRUCTION MATERIALS TESTING UNIT RATES
SAN CARLOS SURPLUS STORAGE IMPROVEMENTS

SERVICE	UNIT RATE		QUANTITY	TOTAL
Civil 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 - Flexible Base Material	\$65.00	each	2	\$130.00
5. Technician Time Sampling (Both Caliche samples same visit)	\$56.00	hour	6	\$336.00
6. Field Density Test - Utility (12" lifts)	\$24.00	each	18	\$432.00
7. Technician Time - Density Testing - Utility	\$56.00	hour	28	\$1,568.00
8. Field Density Test - Asphalt Pavement	\$24.00	each	22	\$528.00
9. Technician Time - Density Testing - Asphalt Pavement	\$56.00	hour	12	\$672.00
10. Field Density Test - Caliche Pad	\$24.00	each	72	\$1,728.00
11. Technician Time - Density Testing - Caliche Pad	\$56.00	hour	72	\$4,032.00
12. Field Density Test - Safety End Treatment	\$24.00	each	15	\$360.00
13. Technician Time - Density Testing - Safety End Treatment	\$56.00	hour	8	\$448.00
14. Vehicle Travel Charge	\$53.00	trip	63	\$3,339.00
Subtotal				\$15,142.00
Concrete: Civil (Safety End Treatment)				
1. Concrete Compressive Strength Tests	\$17.50	each	10	\$175.00
2. Technician Time - Concrete Testing	\$56.00	hour	4	\$224.00
3. Air Content of Concrete	\$33.00	each	2	\$66.00
4. Technician Time - Pick-Up of Specimen(s)	\$56.00	hour	4	\$224.00
5. Vehicle Travel Charge	\$53.00	trip	4	\$212.00
Subtotal				\$901.00
Reinforcing Steel:				
1. Reinforcing Steel Observation	\$56.00	hour	4	\$224.00
2. Vehicle Travel Charge	\$53.00	trip	2	\$106.00
Subtotal				\$330.00
Asphalt:				
1. Asphaltic Concrete Laydown Observation	\$68.00	hour	8	\$544.00
2. Extraction, Gradation, Bitumen Content and Laboratory Density of Asphaltic Concrete	\$325.50	each	2	\$651.00
3. Maximum Theoretical Specific Gravity of Asphalt	\$119.00	each	2	\$238.00
4. Nuclear Densities	\$24.00	each	11	\$264.00
5. Asphaltic Concrete Coring:				
a.) Two Men	\$116.00	hour	4	\$464.00
b.) Coring Rig	\$130.00	day	1	\$130.00
c.) Generator	\$109.25	day	1	\$109.25
d.) Bit Wear - Quartz Aggregate (River Gravel)	\$6.00	in.-in.	88	\$528.00
e.) Core Density	\$24.25	each	11	\$266.75
6. Vehicle Travel Charge	\$53.00	trip	3	\$159.00
Subtotal				\$3,354.00



CONSTRUCTION MATERIALS TESTING UNIT RATES
SAN CARLOS SURPLUS STORAGE IMPROVEMENTS

Professional Services:

1. Project Coordination	\$110.00	hour	As requested	
2. Geotechnical / Materials Engineer	\$165.00	each	As requested	
3. Vehicle Travel Charge	\$53.00	trip	As requested	
Subtotal				\$0.00

Other:

1. Project Administration(Markup of Invoiced Billing Cycle)	10%			\$1,972.70
---	-----	--	--	------------

Subtotal				\$1,972.70
-----------------	--	--	--	-------------------

GRAND TOTAL **\$21,699.70**



CERTIFICATE OF INTERESTED PARTIES

FORM 1295

1 of 1

Complete Nos. 1 - 4 and 6 if there are interested parties.
Complete Nos. 1, 2, 3, 5, and 6 if there are no interested parties.

OFFICE USE ONLY CERTIFICATION OF FILING

1 Name of business entity filing form, and the city, state and country of the business entity's place of business.

Raba Kistner, Inc.
San Antonio, TX United States

Certificate Number:
2020-613992

Date Filed:
05/01/2020

Date Acknowledged:

2 Name of governmental entity or state agency that is a party to the contract for which the form is being filed.

Hidalgo County Precinct No. 4

3 Provide the identification number used by the governmental entity or state agency to track or identify the contract, and provide a description of the services, goods, or other property to be provided under the contract.

C-19-209-09-03
On-Call Geotechnical and Construction Materials Testing Services

4	Name of Interested Party	City, State, Country (place of business)	Nature of interest (check applicable)	
			Controlling	Intermediary

5 Check only if there is NO Interested Party.

6 UNSWORN DECLARATION

My name is Gary W. Raba, and my date of birth is 3/24/58.

My address is 12821 W. Golden Lane, San Antonio, TX, 748249, USA.
(street) (city) (state) (zip code) (country)

I declare under penalty of perjury that the foregoing is true and correct.

Executed in Bexar County, State of Texas, on the 1st day of May, 20 20.
(month) (year)



Signature of authorized agent of contracting business entity
(Declarant)

CERTIFICATE OF INTERESTED PARTIES

FORM 1295

1 of 1

Complete Nos. 1 - 4 and 6 if there are interested parties.
Complete Nos. 1, 2, 3, 5, and 6 if there are no interested parties.

OFFICE USE ONLY CERTIFICATION OF FILING

1 Name of business entity filing form, and the city, state and country of the business entity's place of business.

Raba Kistner, Inc.
San Antonio, TX United States

Certificate Number:
2020-613992

Date Filed:
05/01/2020

2 Name of governmental entity or state agency that is a party to the contract for which the form is being filed.

Hidalgo County Precinct No. 4

Date Acknowledged:
05/01/2020

3 Provide the identification number used by the governmental entity or state agency to track or identify the contract, and provide a description of the services, goods, or other property to be provided under the contract.

C-19-209-09-03
On-Call Geotechnical and Construction Materials Testing Services

4	Name of Interested Party	City, State, Country (place of business)	Nature of interest (check applicable)	
			Controlling	Intermediary

5 Check only if there is NO Interested Party.

6 UNSWORN DECLARATION

My name is _____, and my date of birth is _____.

My address is _____, _____, _____, _____, _____.
(street) (city) (state) (zip code) (country)

I declare under penalty of perjury that the foregoing is true and correct.

Executed in _____ County, State of _____, on the _____ day of _____, 20____.
(month) (year)

Signature of authorized agent of contracting business entity
(Declarant)