

EXHIBIT "E"
HIDALGO COUNTY
Agreement #C-21-0920-12-28
Work Authorization Form

AT	3:11	FILED	P.	M
		O'CLOCK		
MAR 24 2022				
ARTURO GUAJARDO, JR., COUNTY CLERK HIDALGO CO. TEXAS				
BY				DEPUTY

WORK AUTHORIZATION NO. 1

THIS WORK AUTHORIZATION is made pursuant to the terms and conditions of Section 7 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.**, hereinafter called "**Engineer**".

PART 1. SCOPE OF WORK

The purpose of this Work Authorization is for the On-Call Engineer for Geotechnical & Construction Material Testing Services to provide Construction Materials Observation and Testing Services for Hidalgo County Precinct No. 4 All-Star Park.

The **Engineer** is to provide the Services as required by the Agreement with Owner for Engineering Services for Geotechnical and Construction Material Testing Services. This includes but is not limited to the services identified in **ATTACHMENT "A" – Scope of Services to be provided by the Engineer** which is attached hereto and incorporated by reference.

PART 2. ESTIMATED COST

The estimated cost for services under this Work Authorization is \$40,664.53. This amount is based upon the costs outlined in the Estimated **Cost Proposal** attached hereto as **ATTACHMENT "B"**.

PART 3. PAYMENT

Compensation and payment to the Engineer for the services established under this Work Authorization shall be made in accordance with the Project Specific Service Agreement between Owner and Engineer.

PART 4. FUNDING

This Work Authorization No. 1 shall be funded through funding source:
Account No. **2-1301-452-00-124-132-0-740**
Requisition Number **449571**

PART 5. PERIOD OF SERVICE

This Work Authorization shall become effective on the date of final acceptance of the parties hereto, and terminate upon completion of the scope of work provided in this work authorization or (DATE).

PART 6. RESPONSIBILITIES AND OBLIGATIONS

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

PART 7. ACKNOWLEDGEMENT AND CONFIRMATION

Acknowledgment and confirmation by Hidalgo County Precinct No. 4 Commissioner Ellie Torres, as to content and detail of this Work Authorization No.1. (If applicable – Work Schedule attached as Attachment “B-1”)

HIDALGO COUNTY

COMMISSIONER PRECINCT No. 4:

BY: *Ellie Torres*
Ellie Torres (Feb 24, 2022 12:51 CST)

PART 8. ACCEPTANCE AND APPROVAL

This Work Authorization is hereby accepted, approved by Hidalgo County Commissioners' Court on February 22, 2022, **Agenda 84655**, and effective as of the 22nd day of February 2022.

Executive Office: *Monica Salinas*
Monica Salinas (Feb 24, 2022 3:45 CST)

THE ENGINEER:
Raba-Kistner, Inc.

Katrin Leonard
Katrin Leonard (Feb 24, 2022 16:25 CST)
By: _____
Print Name

THE OWNER:
HIDALGO COUNTY

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

ATTEST:

Arturo Guajardo Jr.
By: Arturo Guajardo Jr., County Clerk



ATTACHMENT “A”

Scope of Services to be Provided by Engineer for Construction Material Observation and Testing Services

Proposal No.: PMD22-019-00
February 3, 2022



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

Mr. Nick Perez
Hidalgo County Precinct 4
1051 N. Doolittle Rd.
Edinburg, Hidalgo County, Texas

**RE: Proposal for Construction Materials Observation and Testing Services
Hidalgo County All Star Park – Sunflower Park Project
107 Sunflower Rd.
Edinburg, Hidalgo County, Texas**

Dear Mr. Perez:

RABA KISTNER Consultants, Inc. (RKCI) is pleased to have been selected to provide Construction Materials Observation and Testing Services for the above referenced project.

Our opinion of probable cost of services for this project is: **\$40,664.53**

Our proposed scope of services and estimated item quantities are based upon our interpretation of the project plans and specifications provided to us via electronic email link from Mr. Nick Perez, with Hidalgo County Precinct 4 on Monday, January 31, 2022 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 No. 4 through 7 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**

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
Supervisor, CME

WP/EM

Attachments: Basic Charges
I-Standard Terms and Conditions
II-Schedule of Fees
Copies submitted: Above (1)

Accepted By _____
(Signature)

(Typed or Printed Name)

(Title)

Date _____



ATTACHMENT “B”

RATES

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 _____ \$58.25/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 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 ALL STARR PARK – SUNFLOWER PARK PROJECT

SERVICE	UNIT RATE		QUANTITY	TOTAL
Earthwork:				
1. Moisture-Density Relationship (Proctor)	\$291.00	each	7	\$2,037.00
2. Atterberg Limits Determinations (P.I.) (ASTM/AASHTO)	\$106.00	each	7	\$742.00
3. Sieve Analysis -200	\$71.75	each	6	\$430.50
4. Sieve Analysis - Flexible Base Material	\$71.75	each	1	\$71.75
5. Technician Time Sampling	\$61.75	hour	14	\$864.50
6. Lime Series Curve Determination Including Five pH Determinations	\$502.00	each	as requested	
7. Field Density Test - Utility - Water	\$26.50	each	6	\$159.00
8. Technician Time - Density Testing - Utility - Water	\$61.75	hour	6	\$370.50
9. Field Density Test - Utility - Storm Drain	\$26.50	each	10	\$265.00
10. Technician Time - Density Testing - Utility - Storm Drain	\$61.75	hour	20	\$1,235.00
11. Field Density Test - Pavement	\$26.50	each	12	\$318.00
12. Technician Time - Density Testing - Pavement	\$61.75	hour	4	\$247.00
13. Field Density Test - Walking Trail	\$26.50	each	30	\$795.00
14. Technician Time - Density Testing -Walking Trail	\$61.75	hour	30	\$1,852.50
15. Field Density Test - Baseball Field	\$26.50	each	29	\$768.50
16. Technician Time - Density Testing - Baseball Field	\$61.75	hour	16	\$988.00
17. Field Density Test - Soccer Field	\$26.50	each	10	\$265.00
18. Technician Time - Density Testing - Soccer Field	\$61.75	hour	4	\$247.00
19. Field Density Test - Basketball Courts	\$26.50	each	3	\$79.50
20. Technician Time - Density Testing - Basketball Courts	\$61.75	hour	2	\$123.50
21. Field Density Test - Tree Wall Benches	\$26.50	each	2	\$53.00
22. Technician Time - Density Testing -Tree Wall Benches	\$61.75	hour	2	\$123.50
23. Field Density Test - Shade Structure Pavilion A&B	\$26.50	each	6	\$159.00
24. Technician Time - Density Testing - Shade Structure Pavilion A&B	\$61.75	hour	2	\$123.50
25. Field Density Test - Storage Shed	\$26.50	each	2	\$53.00
26. Technician Time - Density Testing - Storage Shed	\$61.75	hour	2	\$123.50
27. Field Density Test - Monument Sign	\$26.00	each	1	\$26.00
28. Technician Time - Density Testing - Monument Sign	\$61.75	hour	2	\$123.50
29. Proof Rolling Observations - Pavement / Building Pad	\$61.75	hour	as requested	
30. Vehicle Travel Charge	\$58.25	trip	52	\$3,029.00
Subtotal				\$15,673.25
Concrete:Civil				
1. Concrete Compressive Strength Tests	\$19.25	each	30	\$577.50
2. Technician Time - Concrete Testing	\$61.75	hour	10	\$617.50
3. Air Content of Concrete	\$36.50	each	6	\$219.00
4. Technician Time - Pick-Up of Specimen(s)	\$61.75	hour	12	\$741.00
5. Vehicle Travel Charge	\$58.25	trip	12	\$699.00
Subtotal				\$2,854.00
Concrete: Walking Trail				
1. Concrete Compressive Strength Tests	\$19.25	each	25	\$481.25
2. Technician Time - Concrete Testing	\$61.75	hour	10	\$617.50
3. Air Content of Concrete	\$36.50	each	5	\$182.50
4. Technician Time - Pick-Up of Specimen(s)	\$61.75	hour	10	\$617.50
5. Vehicle Travel Charge	\$58.25	trip	10	\$582.50
Subtotal				\$2,481.25

-Rates Continue on Pg. 5-



CONSTRUCTION MATERIALS TESTING UNIT RATES
HIDALGO COUNTY ALL STARR PARK – SUNFLOWER PARK PROJECT

Concrete: Baseball Field

1. Concrete Compressive Strength Tests	\$19.25	each	10	\$192.50
2. Technician Time - Concrete Testing	\$61.75	hour	4	\$247.00
3. Air Content of Concrete	\$36.50	each	2	\$73.00
5. Technician Time - Pick-Up of Specimen(s)	\$61.75	hour	4	\$247.00
6. Vehicle Travel Charge	\$58.25	trip	4	\$233.00
Subtotal				\$992.50

Concrete: Soccer Field

1. Concrete Compressive Strength Tests	\$19.25	each	5	\$96.25
2. Technician Time - Concrete Testing	\$61.75	hour	2	\$123.50
3. Air Content of Concrete	\$36.50	each	1	\$36.50
4. Technician Time - Pick-Up of Specimen(s)	\$61.75	hour	2	\$123.50
5. Vehicle Travel Charge	\$58.25	trip	2	\$116.50
Subtotal				\$496.25

Concrete: Basketball Court

1. Concrete Compressive Strength Tests	\$19.25	each	5	\$96.25
2. Technician Time - Concrete Testing	\$61.75	hour	2	\$123.50
3. Air Content of Concrete	\$36.50	each	1	\$36.50
4. Technician Time - Pick-Up of Specimen(s)	\$61.75	hour	2	\$123.50
5. Vehicle Travel Charge	\$58.25	trip	2	\$116.50
Subtotal				\$496.25

Concrete: Tree Wall Benches

1. Concrete Compressive Strength Tests	\$19.25	each	5	\$96.25
2. Technician Time - Concrete Testing	\$61.75	hour	2	\$123.50
3. Air Content of Concrete	\$36.50	each	1	\$36.50
4. Technician Time - Pick-Up of Specimen(s)	\$61.75	hour	2	\$123.50
5. Vehicle Travel Charge	\$58.25	trip	2	\$116.50
Subtotal				\$496.25

Concrete: Shade Structures Pavilion A&B

1. Concrete Compressive Strength Tests	\$19.25	each	5	\$96.25
2. Technician Time - Concrete Testing	\$61.75	hour	2	\$123.50
3. Air Content of Concrete	\$36.50	each	1	\$36.50
4. Technician Time - Pick-Up of Specimen(s)	\$61.75	hour	2	\$123.50
5. Vehicle Travel Charge	\$58.25	trip	2	\$116.50
Subtotal				\$496.25

Concrete: Storage Shed

1. Concrete Compressive Strength Tests	\$19.25	each	5	\$96.25
2. Technician Time - Concrete Testing	\$61.75	hour	2	\$123.50
3. Air Content of Concrete	\$36.50	each	1	\$36.50
4. Technician Time - Pick-Up of Specimen(s)	\$61.75	hour	2	\$123.50
5. Vehicle Travel Charge	\$58.25	trip	2	\$116.50
Subtotal				\$496.25

Concrete: Monument Sign

1. Concrete Compressive Strength Tests	\$19.25	each	5	\$96.25
2. Technician Time - Concrete Testing	\$61.75	hour	2	\$123.50
3. Air Content of Concrete	\$36.50	each	1	\$36.50
4. Technician Time - Pick-Up of Specimen(s)	\$61.75	hour	2	\$123.50
5. Vehicle Travel Charge	\$58.25	trip	2	\$116.50
Subtotal				\$496.25

-Rates Continue on Pg. 6-



CONSTRUCTION MATERIALS TESTING UNIT RATES
HIDALGO COUNTY ALL STARR PARK – SUNFLOWER PARK PROJECT

Asphalt:

1. Asphaltic Concrete Laydown Observation	\$74.75	hour	4	\$299.00
2. Extraction, Gradation, Bitumen Content and Laboratory Density of Asphaltic Concrete	\$359.00	each	1	\$359.00
3. Maximum Theoretical Specific Gravity of Asphalt	\$131.00	each	1	\$131.00
4. Nuclear Densities	\$26.50	each	6	\$159.00
5. Asphaltic Concrete Coring:				
a.) Two Men	\$128.00	hour	4	\$512.00
b.) Coring Rig	\$143.50	day	1	\$143.50
c.) Generator	\$120.25	day	1	\$120.25
d.) Bit Wear - Quartz Aggregate (River Gravel)	\$6.50	in.-in.	48	\$312.00
e.) Core Density (1 Core per 5000 sqft)	\$26.75	each	6	\$160.50
6. Vehicle Travel Charge	\$58.25	trip	2	\$116.50
Subtotal				\$2,312.75

Masonry: Tree Wall Benches

1. Masonry Observation	\$79.00	hour	6	\$474.00
2. Motar/Grout Compression Strength Testing	\$22.75	each	10	\$227.50
3. Technician Time - Pick-Up of Specimen(s)	\$61.75	hour	4	\$247.00
4. Vehicle Travel Charge	\$58.25	trip	4	\$233.00
Subtotal				\$1,181.50

Masonry: Storage Shed

1. Masonry Observation	\$79.00	hour	18	\$1,422.00
2. Motar/Grout Compression Strength Testing	\$22.75	each	30	\$682.50
3. Technician Time - Pick-Up of Specimen(s)	\$61.75	hour	12	\$741.00
4. Vehicle Travel Charge	\$58.25	trip	12	\$699.00
Subtotal				\$3,544.50

Drilled Pier Observation:

1. Observatio - Tech Time	\$78.75	hour	40	\$3,150.00
2. Air Content of Concrete	\$36.50	each	10	\$365.00
3. Cylinders Cast in Conjunction with Observation	\$19.25	hour	50	\$962.50
4. Technician Time - Pick-Up of Specimen(s)	\$61.75	trip	2	\$123.50
5. Vehicle Travel Charge	\$58.25	trip	6	\$349.50
Subtotal				\$4,950.50

Structural Steel Observation:

1. Structural Steel Observation/Bolts and Weld Certified Welding Inspector	\$141.75	hour	As Requested	
2. Non- Destructive Testing (Radiographic/Ultrasonic)	Cost + 15%		As Requested	
3. Vehicle Travel Charge	\$58.25	trip	As Requested	
Subtotal				\$0.00

Reinforcing Steel:

1. Reinforcing Steel Observation	\$61.75	hour	As requested	
2. Vehicle Travel Charge	\$58.25	trip	As requested	
Subtotal				\$0.00

-Rates Continue on Pg. 7-



CONSTRUCTION MATERIALS TESTING UNIT RATES
HIDALGO COUNTY ALL STARR PARK – SUNFLOWER PARK PROJECT

Professional Services:

1. Project Coordination	\$110.00	hour	As requested	
2. Geotechnical / Materials Engineer	\$165.00	each	As requested	
3. Vehicle Travel Charge	\$58.25	trip	As requested	
Subtotal				\$0.00

Other:

1. Project Administration(Markup of Invoiced Billing Cycle)	10%			\$3,696.78
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Subtotal				\$3,696.78
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GRAND TOTAL				\$40,664.53
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