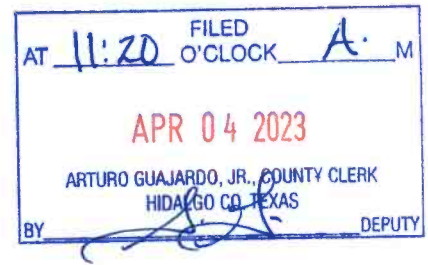


EXHIBIT "D"
HIDALGO COUNTY
Agreement #C-22-0316-05-17
Work Authorization Form



WORK AUTHORIZATION NO. 2

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, **TERRACON CONSULTANTS, INC.**, hereinafter called "Engineer".

PART 1. SCOPE OF WORK

The purpose of this Work Authorization is for the Engineer to provide construction material testing services for the Pct 2 Ridge Road from 1,360 LF East Tower to 1,200 LF East Rd Project.

The **Engineer** is to provide the Services as required by the Agreement with Owner for Geo-Technical & Construction Material Testing Services. This includes but is not limited to the services identified in **EXHIBIT "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 **\$2,435.00**. This amount is based upon the costs outlined in the Estimated **Cost Proposal** attached hereto as **EXHIBIT "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 On-Call Services Agreement between Owner and Engineer.

PART 4. FUNDING

This Work Authorization No. 2 shall be funded through funding source:

Account No. 3-1200-431-00-122-168-0-610/430

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 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**.

EXHIBIT "A"

SCOPE OF SERVICES TO BE PROVIDED BY ENGINEER

The services to be provided by the ENGINEER in providing On-Call Geotechnical and Construction Material Testing Services for Hidalgo County Precinct 2 Projects, are as follows:

A. Preliminary Phase:

- 1) Attend preliminary conferences with the OWNER and, if requested, with the funding agency and other government agencies or interested parties regarding the Project.
- 2) Provide for the necessary geotechnical investigation and testing necessary to develop design.
- 3) Provide environmental studies as may be necessary to complete a project.
- 4) Provide assistance to the OWNER in providing material requirements and specifications for design, construction and maintenance projects.
- 5) Provide assistance to the OWNER in providing pavement design recommendations for the design, construction and maintenance projects.
- 6) Provide assistance to the OWNER in providing pavement rehabilitation recommendations for the design, and maintenance projects.
- 7) Provide assistance to the OWNER in providing pavement condition studies.

B. Design Phase:

- 1) Attend the OWNER'S and respective Party's meeting as requested for the purpose of explaining geotechnical investigation report recommendations and preliminary testing results and their impact to proposed design activities.
- 2) Perform any additional geotechnical investigations, testing and environmental studies necessary to collect information required in the design of the Project.
- 3) Provide assistance to the OWNER in providing material requirements and specifications for design, construction and maintenance projects.
- 4) Provide assistance to the OWNER in providing pavement design recommendations for the design, construction and maintenance projects.
- 5) Provide assistance to the OWNER in providing pavement rehabilitation recommendation for the design, construction and maintenance projects.
- 6) Provide assistance to the OWNER in providing pavement condition studies.
- 7) Furnish the OWNER all necessary report for preliminary design, design, and construction and maintenance projects.

C. 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 Engineer.
- 4) Review all material designs as requested by the OWNER and/or project design Engineer.

- 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.

D. 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 Engineer 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 Engineer.
- 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 Project Specific Scope will require prior approval from Owner prior to undertaking.

EXHIBIT "B"

**RIDGE ROAD
Estimated Fee Summary**

Our fee estimate is in accordance with the time and tests performed as shown below:

Earthwork Observation/Testing				
Service	Quantity	Unit	Unit Rate	Estimate
Engineering Technician	15	Hour	\$ 50.00	\$ 750.00
Soil with gravel, base materials (6" mold)	1	Each	\$ 275.00	\$ 275.00
Liquid and Plastic Limits (Single Point Test)	1	Each	\$ 75.00	\$ 75.00
Sieve Analysis	1	Each	\$ 85.00	\$ 85.00
Nuclear Gauge (per day)	15	Hour	\$ 50.00	\$ 750.00
Vehicle Trip Charge	5	Per Trip	\$ 40.00	\$ 200.00
Subtotal, Earthwork				\$ 2,135.00
CME Project Management	3	Hour	\$ 100.00	\$ 300.00
ESTIMATE TOTAL				\$ 2,435.00

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.

Terracon Consultants, Inc.
Pharr, TX United States

Certificate Number:
2023-996652

Date Filed:
03/21/2023

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

Hidalgo County

Date Acknowledged:

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-22-0316-05-17
Construction Material Testing services for the Pct 2 Ridge Road from 1,360 LF East Tower to 1,200 LF East Rd Project- WA #2

4	Name of Interested Party	City, State, Country (place of business)	Nature of interest (check applicable)	
			Controlling	Intermediary
	Packer, Gayle	Olathe, KS United States	X	
	Donald, Vic	Baton Rouge, LA United States	X	
	Pavlicek, Bob	Olathe, KS United States	X	
	Anderson, Tim	Tempe, AZ United States	X	
	Moussallem, Maroun	Denver, CO United States	X	
	Zambo, Vanessa	Olathe, KS United States	X	

5 Check only if there is NO Interested Party.

6 UNSWORN DECLARATION

My name is Jorge A. Flores, P.G., and my date of birth is 10/20/1972.

My address is 1506 Mid Cities Dr., Pharr, TX, 78577, USA.
(street) (city) (state) (zip code) (country)

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

Executed in Hidalgo County, State of Texas, on the 21st day of March, 2023.
(month) (year)

Jorge A. Flores
Signature of authorized agent of contracting business entity (Declarant)