

HIDALGO COUNTY
Professional Engineering Services
Agreement # C-23-0420-10-31

WORK AUTHORIZATION NO. 3

THIS WORK AUTHORIZATION is made pursuant to the terms and conditions of the Professional Engineering Services Agreement No. C-23-0420-10-31, incorporated herein by reference, for the **“Hidalgo County Precinct 2 Sunlight Road Improvement Project”** 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 Sunlight Road Improvement Project for Hidalgo County Precinct 2.

The **Engineer** is to provide the scope of Services as required by the Agreement with Owner.

The scope of services to be provided by the **Engineer** is identified in **Attachment “A” – “Scope of Services to be provided by Engineer”** attached hereto and incorporated by reference.

PART 2. ESTIMATED COST

The estimated cost for services under this Work Authorization is **\$8,580.00**. This amount is based upon the costs outlined in the **Attachment “B” – “Fee Proposal”** attached hereto and incorporated by reference.

PART 3. PAYMENT

Compensation and payment to the Engineer for the services established under this Work Authorization shall be made in accordance with the **Professional Engineering Services Agreement No. C-23-0420-10-31** between the **Owner** and the **Engineer**.

PART 4. FUNDING

This Work Authorization No. 3 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 completion of the scopes of the Work Authorization, within the limits of Agreement No. C-23-0420-10-31, provided in this Work Authorization; or on (_____ DATE)**. *If applicable:* Engineer shall conform to the approved “Work/Project Schedule”, attached hereto and incorporated by reference herein as **Attachment “C”**.

PART 6. RESPONSIBILITIES AND OBLIGATIONS

This Authorization does not waive the parties' responsibilities and obligations provided under the Agreement No. C-23-0420-10-31.

PART 7. ACKNOWLEDGEMENT AND CONFIRMATION

Acknowledgement and confirmation by **Hidalgo County Precinct 2, Commissioner Eduardo "Eddie" Cantu**, as to content and detail of this **Work Authorization No. 3**.

HIDALGO COUNTY PRECINCT No. 2.

By: _____
Eduardo "Eddie" Cantu, Commissioner

PART 8. ACCEPTANCE AND APPROVAL

This Work Authorization is hereby accepted, approved by Hidalgo County Commissioners' Court on **12/12/23** as indicated below and effective as of **12th day of December, 2023**.

EXECUTED as of the day and year first written above.

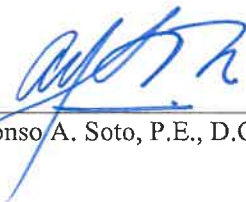
APPROVED BY COMMISSIONERS' COURT ON DECEMBER, 12th, 2023.

Agenda Item No. 93508

Executive Office: _____

ENGINEER:
TERRACON CONSULTANTS, INC.

COUNTY:
COUNTY OF HIDALGO



Alfonso A. Soto, P.E., D.GE, F.ASCE

Hon. Richard F. Cortez, County Judge

ATTEST:

Arturo Guajardo, Jr., County Clerk

LIST OF ATTACHMENTS:

- Attachment "A"** – *Scope of Services to be provided by Engineer*
- Attachment "B"** – *Fee Proposal*
- Attachment "C"** – *Approved Work/Project Schedule (If applicable)*

Attachment "A"

Scope of Services to be provided by Engineer

Terracon will perform materials testing in general accordance with the project specifications. The time required for quality control testing during the construction phase on the project is directly related to the contractor's scheduling and performance. Therefore, our fee for materials testing and observation services will be based upon applicable unit prices and hourly rates. Our anticipated scope of services is as follows:

- earthwork observation/sampling/testing
- asphalt pavement sampling/testing

1. Earthwork and Site Preparation Observations and Testing:

- Observe and test structural fill placement and perform field density and moisture content testing during fill placement.
- Testing quantities and frequencies will be in general accordance with the project specifications.
- Perform laboratory testing of proposed fill soils to determine their dry density versus moisture content relationship in general accordance with the standard Proctor test method.

2. Asphalt Observations and Testing:

- Observe proof rolling of subgrades in the parking and access roads to identify any unstable materials prior to stone base placement.
- Perform field density testing of new pavement stone base and confirm compaction of new asphalt surface and binder materials.

Attachment "B"

Fee Proposal

TABLE 1
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
Standard Proctor - ASTM D698, each	2	Each	\$ 225.00	\$ 450.00
Atterberg Limits of Soils - ASTM D4318, each	2	Each	\$ 120.00	\$ 240.00
Particle Size Analysis of Soils (Gradation)- ASTM D422/Tex-110, each	1	Each	\$ 90.00	\$ 90.00
Field Density Test (Nuclear) - ASTM D6938/Tex-115-E, each	32	Each	\$ 22.00	\$ 704.00
Engineering Technician	30	Hour	\$ 75.00	\$ 2,250.00
Vehicle Trip Charge, per mile	100	Mile	\$ 0.65	\$ 65.00
Subtotal, Earthwork				\$ 3,799.00
Hot Mix Asphalt Testing				
Service	Quantity	Unit	Unit Rate	Estimate
Senior Engineering Technician	24	Hour	\$ 85.00	\$ 2,040.00
Maximum Theoretical SPG (Rice Gravity) - Tex-227-F, each	1	Each	\$ 115.00	\$ 115.00
Extraction/Sieve Analysis/Asphalt Content - Tex-210-F/Tex-200-F, each	1	Each	\$ 250.00	\$ 250.00
Compacting Specimens Using the Texas Gyrotory Compactor (set of 3) - Tex-206-F, each	1	Each	\$ 95.00	\$ 95.00
Asphalt Content - Tex-236-F, each	1	Each	\$ 95.00	\$ 95.00
Field Coring - ACP Thickness - ASTM D3549, each	6	Each	\$ 70.00	\$ 420.00
Density of Cores (4 or 6 inch) (Set of 2) - Tex-207-F, each	3	Each	\$ 80.00	\$ 240.00
Vehicle Trip Charge, per mile	40	Mile	\$ 0.65	\$ 26.00
Subtotal, Asphalt				\$ 3,281.00
Project Manager	10	Hour	\$ 150.00	\$ 1,500.00
Subtotal, Project Engineer/Manager				\$ 1,500.00
ESTIMATE TOTAL				\$ 8,580.00

Attachment "C"

Work/Project Schedule

Terracon's work schedule is directly related to the contractor's scheduling and performance. It is the responsibility of the contractor or your designated representative to notify Terracon, in advance (minimum of 24-hour notice), for testing services required on this project. Our services will be performed on an as requested basis.