

HIDALGO COUNTY
Professional Engineering Services for Geotechnical
& Construction Material Testing
Agreement # C-25-0007-01-09

WORK AUTHORIZATION NO. 1

THIS WORK AUTHORIZATION is made pursuant to the terms and conditions of the Professional Engineering Services Agreement No. C-25-0007-01-09, incorporated herein by reference, for the “Administrative Parking Lot (Northeast Corner of E. Loeb Street and N. 12th Avenue)” 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 **Engineer** to provide Geotechnical Engineering Services for Administrative Parking Lot (Northeast Corner of E. Loeb Street and N. 12th Avenue).

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 \$7,365.00. 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-25-0007-01-09** between the **Owner** and the **Engineer**.

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 completion of the scopes of the Work Authorization, within the limits of Agreement No. C-25-0007-01-09 , 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-25-0007-01-09**.

PART 7. ACKNOWLEDGEMENT AND CONFIRMATION

Acknowledgement and confirmation by **Hidalgo County Precinct 4, Commissioner Ellie Torres**, as to content and detail of this **Work Authorization No. 1**.

HIDALGO COUNTY PRECINCT No. 4

By: _____
Ellie Torres, Commissioner

PART 8. ACCEPTANCE AND APPROVAL

This Work Authorization is hereby accepted, approved by Hidalgo County Commissioners' Court and hereby executed and effective as of date indicated below.

APPROVED BY COMMISSIONERS' COURT ON MARCH 18, 2025.

Agenda Item No. 98702

Executive Office: _____

ENGINEER:
RABA KISTNER, INC.

COUNTY:
COUNTY OF HIDALGO

Katrin M. Leonard, P.E., Vice President

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 A

PROJECT SPECIFIC SCOPE OF SERVICES TO BE PROVIDED BY ENGINEER

Proposal No. PMA25-009-00
March 4, 2025

I REQ#0493
REQ#013198

Mr. Russell R. Solis, MPA
Division Manager II, Business Service
Hidalgo County Facility Management
1920 SE Industrial Dr. Suite A
Edinburg, Texas 78542

**RE: Proposal for Geotechnical Engineering Services
Proposed Administrative Parking Lot
Along the Northeast Corner of E. Loeb Street and N. 12th Avenue
Edinburg, Hidalgo County, Texas**

Dear Mr. Solis:

On the basis of the documents received by our office via electronic-mail attachment from you on Tuesday, February 25, 2025, we thank you for selecting RKI to provide Geotechnical Engineering Services to Hidalgo County (CLIENT) for the above-referenced project. The broad objectives of our study will be to evaluate subsurface conditions at the subject site, and to provide pavement design and construction recommendations for the proposed parking lot. Described in this letter are:

- Our understanding of pertinent project characteristics.
- Our proposed scope for field and laboratory study.
- Our proposed scope for engineering evaluation and reporting.
- Our tentative project schedule.

PROJECT DESCRIPTION

We understand that the project consists of the design and construction of an about 50,000 ft², parking lot planned to be located along the northeast corner of E. Loeb Street and N. 12th Avenue in Edinburg, Hidalgo County, Texas. The pavement systems are anticipated to consist of either flexible (asphalt) and/or rigid (concrete) pavements.

FIELD STUDY

On the basis of the information provided to us by the CLIENT, geologic evidence, and our past experience with subsurface conditions in the vicinity of this site, we propose to conduct the following drilling scheme.

Proposed Structure	Number of Borings	Depth, ft. *
Parking Lot	5	10

* below the existing ground surface elevations, or auger refusal, whichever occurs first.

Ysma R. Villalobos
3-5-25

Borings will be located in the field utilizing tape and right angle measurements from existing benchmarks. Our scope of services does not include surveying of the boring locations. However, RKI recommends that the final boring locations be surveyed in the field by the CLIENT or their representative.

Samples will be taken using conventional split-spoon and/or Shelby tube sampling techniques in general accordance with applicable American Society for Testing and Materials (ASTM) standards. Representative portions of the samples will be sealed, identified, packaged, and transported to our laboratory for subsequent testing and classification.

Upon completion of drilling activities, water level readings, if applicable, will be recorded in the open boreholes and the boreholes will be backfilled using the auger cuttings generated during the drilling operations.

LABORATORY STUDY

Upon completion of the subsurface exploration, a testing program will be designed to define the strength and classification characteristics of the foundation soils. The laboratory testing program is anticipated to include moisture content tests, Atterberg Limits (plasticity) tests, sulfate content determinations, and grain size analyses. The laboratory testing will be performed in general accordance with applicable ASTM standards. In addition, for pavement design analysis, a California Bearing Ratio (CBR) test value will be assumed based on the laboratory classification test results to estimate the shear strength characteristics of the subgrade soils.

ENGINEERING ANALYSIS

The results of the field and laboratory studies will be reviewed by our staff of engineers. The results of our review, together with the supporting field and laboratory data, will be presented in a written engineering report. Included therein will be the recommendations to guide the pavement design and construction for the proposed parking lot. The Geotechnical Engineering report may also include the following information and recommendations:

- A summary of the field and laboratory sampling and testing program;
- Boring logs and laboratory testing results; and
- A review of the general site conditions including a description of the site, the subsurface stratigraphy, groundwater conditions, and the presence and condition of fill materials, if encountered.

Also included in the report will be general guidelines for the construction of the proposed parking lot. These guidelines will be based on the results of classification testing completed on specimens from the pavement areas and on our experience with similar soils.

Since site grading plans can result in changes in the pavement subgrade conditions, final site grading plans will be helpful information in the preparation of engineering recommendations. In the absence of site grading information, we will prepare recommendations based on the existing ground surface

elevations. Also, specific information concerning anticipated traffic loadings and frequencies for the proposed parking lot will be critical in the preparation of pavement recommendations.

The final report will be submitted only in a PDF format via electronic-mail attachment. Upon the CLIENT's request, we will reproduce the report in a spirally-bound copy.

TENTATIVE PROJECT SCHEDULE

Based on our present workload and weather permitting, it is anticipated that the field exploration phase of this study can begin within three working days of receiving written authorization to proceed, provided that the site is accessible to our truck-mounted drill rigs and the CLIENT has supplied us with all available information regarding existing utility and below-grade structures on site. The field exploration and laboratory testing phases of the study are expected to take approximately twelve working days to complete. The report will be submitted within an additional twelve working days following completion of the laboratory testing. The above schedule does not account for delays due to inclement weather. We will be pleased to provide the design team with verbal design information as the data becomes available.

LUMP SUM FEE

The total lump sum fee for the Geotechnical Engineering Study outlined herein is \$7,365.00. Please refer to Attachment I for the breakdown of charges. Should unusual subsurface conditions be encountered in the field which indicate the desirability of significantly broadening the scope of the study, we will contact you to receive written authorization before proceeding with any additional work. **Additional services will be billed on a unit basis.**

It should be noted that our study scope (and project fee) do not include plan review or earthwork and foundation excavation observations during the construction of the project. However, plan review and construction observation costs should be included in the project budget.

It should also be noted that our study scope (and project fee) do not include professional time or travel expenses for participation in multiple design team meetings. If these services are required, they will be billed at our standard billing rates for professional time plus expenses.

ACCEPTANCE

We appreciate the opportunity of submitting this proposal and look forward to working with Hidalgo County in the development of this project.

Please return one signed original of this contract to provide written authorization for our firm to perform work on the services outlined herein. Our invoices are due and payable upon receipt at P.O. Box 971037, Dallas, Dallas County, Texas 75397-1037.

RK considers the data and information contained in this proposal to be proprietary. This statement of qualifications and any information contained herein shall not be disclosed and shall not be duplicated or used in whole or in part of any purpose other than to evaluate this proposal.

Very truly yours,

RABA KISTNER, INC.

Accepted By:

(Signature)



Jeremiah Ozuna
Graduate Engineer

(Typed or Printed Name)



Saul Cruz, P.E.
Geotechnical Engineering Department Manager

(Title)

(Date)

Copies submitted: Above (1)

Attachment I



ATTACHMENT B

FEE PROPOSAL

