

HIDALGO COUNTY
Professional Geotechnical Engineering & CMT Services
Contract # C-20-184-01-12
Work Authorization Form

WORK AUTHORIZATION NO. 1

THIS WORK AUTHORIZATION is made pursuant to the terms and conditions of **Article 7** of the Agreement made by and between **HIDALGO COUNTY**, action herein by and through the **Commissioner's Court**, hereinafter called the "**Owner**," and, **B2Z Engineering, LLC**, professional engineers of Mission, Texas, hereinafter called "**Engineer**".

PART 1. SCOPE OF WORK

The purpose of this Work Authorization is for the **Engineer** to provide **Professional Geotechnical Engineering & Construction Material Testing** for the **Hidalgo County Health Department Testing/Bio-Safety Laboratory**.

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 **\$11,977.39**. This amount is based upon the costs outlined in the Estimated **Cost Proposal** attached hereto as **EXHIBIT "D" Fee Schedule**.

PART 3. PAYMENT

Compensation and payment to the **Engineer** for the services established under this Work Authorization shall be made in accordance with **Article 6** of the Agreement.

PART 4. FUNDING

This Work Authorization No. 1 shall be funded through funding source:

Account No. **1-1301-441-00-340-078-0-730**

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 scopes of the work authorization.

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** _____, Commissioner
_____ as to content and detail of this **Work Authorization No. 1**.

HIDALGO COUNTY
COMMISSIONER PRECINCT NO. __

BY: _____

PART 8. ACCEPTANCE AND APPROVAL

This Work Authorization is hereby accepted, approved by Hidalgo County Commissioners' Court on _____ as indicated below.

THE ENGINEER:
B2Z Engineering, LLC



By: Nicholas Muñoz,
Vice President

THE OWNER:
HIDALGO COUNTY

By: Richard Cortez,
County Judge

ATTEST:

By: Arturo Guajardo, Jr., County Clerk

LIST OF ATTACHMENTS

- Location Map
- Exhibit A – Services to be Provided by the Owner
- Exhibit B – Services to be Provided by the Engineer
- Exhibit D – Fee Schedule

EXHIBIT “A”
SCOPE OF SERVICES TO BE PROVIDED BY THE OWNER

The following provides an outline of the services to be provided by the **Owner** for the **Hidalgo County Health Department Testing/Bio-Safety Laboratory** located in Hidalgo County hereinafter denoted as the **Project**.

GENERAL:

The **Owner** will provide to the **Engineer** the following:

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

Attachment I
Geotechnical Field and Laboratory Services
Hidalgo County - Bio-Safety Lab

	SERVICES	UNITS	UNITS	UNIT COST	TOTAL COST
I.	Project Manage / Review / ODE				
	A. Principal / Project Manager / Review	Hours			
	B. Geo Engineer (Staff) (Field Oversight)	Hours	1	\$ 180.22	\$ 180.22
	C. Typing and Clerical (Report)	Hours			
	D. Lodging (Est 2 Nights - 3 person Crew)	Nights			\$ -
	E. Mileage	Mile			
	F. Air Travel	Trip			
	G. Per-Diem (Meals) (Match Lodging)	Each			\$ -
	H. Traffic Control for Drilling	Each			\$ -
II.	Utility Clearances / Boring Locates				
	A. Technician (Locate Borings)(Util Clr)	Hours	2	\$ 78.09	\$ 156.18
	B. Staff Engineer/Geologist/Scientist	Hours			
	C. Rebar (stakes with impalement covers)	Cost +12.5%			
	D. Vehicle Charge	Mile			
	E. Mileage	Mile	30	\$ 0.58	\$ 17.25
	F. Survey Locate Borings (X,Y,Z)	LS			\$ -
	G. Clear Site for Access (Dozer)	LS			\$ -
III.	Field Exploration				
A	Mobilization/Demobilization	Day	1	\$ 475.00	\$ 475.00
B	Field Exploration				
	1. ASTM Drill & SPT/Tube Sampling (SS)	Feet	60	\$ 38.00	\$ 2,280.00
	2. TxDOT TCP Field Test (BL/ft)	Ea.			\$ -
	3. Field Logger / Engineering Tech	Hour	8	\$ 78.09	\$ 624.72
	4. 24 Hr. Water Level Observations	Hour			\$ -
	5. Piezometers	Each			\$ -
	6. Supp. Vehicle-Trailer, Tools Water Supply	Mile	30	\$ 1.75	\$ 52.50
	7. Vehicle Charge	Mile	60	\$ 0.58	\$ 34.50
C	Miscellaneous Field Services				
IV.	Engineering Data Analysis / Report				
	1. Staff Engineer	Hours			
	2. Sen. Eng Tech. (Soil Classification)	Hours	3	\$ 114.14	\$ 342.42
	3. Sen. Eng Tech. (Logs & Summaries)	Hours	3	\$ 114.14	\$ 342.42
	4. Moisture Content (ASTM D 2216)	Ea.	21	\$ 12.00	\$ 252.00
	5. Atterberg Limits (ASTM D 4318)	Ea.	12	\$ 135.00	\$ 1,620.00
	6. -200 Determination (ASTM D 1140)	Ea.	12	\$ 60.00	\$ 720.00
	7. Sieve Analysis (w/ Hydrometer) (ASTM D 422)	Ea.	3	\$ 90.00	\$ 270.00
	8. Modified Proctor (ASTM D 1557)	Ea.			\$ -
	9. Organic Content Testing (Tex-148-E)	Ea.			\$ -
	10. Soils Sulfate Content	Ea.	3	\$ 95.00	\$ 285.00
Project Sub-Total (Geo Field and Lab)					\$ 7,652.21