

**HIDALGO COUNTY  
ON-CALL PROFESSIONAL ENGINEERING SERVICES FOR  
GEOTECHNICAL AND CONSTRUCTION MATERIAL TESTING  
AGREEMENT C-22-0728-01-01  
WORK AUTHORIZATION NO. 1**

**THIS WORK AUTHORIZATION** is made pursuant to the terms and conditions of the Professional Engineering Services Agreement No. C-22-0728-01-01, incorporated herein by reference, for the “Hidalgo County Elections Building Construction Materials Testing Services” made by and between HIDALGO COUNTY, action herein by and through the Commissioner’s Court, hereinafter called the “**Owner**,” and B2Z Engineering, LLC, hereinafter called “**Engineer**”.

**PART 1. SCOPE OF WORK**

The purpose of this Work Authorization is for the **Engineer** to provide Construction Materials Testing Services.

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 **\$ 22,096.78**. 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-22-0728-01-01** between the **Owner** and the **Engineer**.

**PART 4. FUNDING**

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

Account No. \_\_\_\_\_**n**  
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-22-0728-01-01, 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-22-0728-01-01.

**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 on \_\_\_\_\_ as indicated below and effective as of \_\_\_\_ day of \_\_\_\_\_, 20\_\_.

**EXECUTED** as of the day and year first written above.

**APPROVED BY COMMISSIONERS’ COURT ON FEBRUARY 7, 2023.**

**Agenda Item No. 89522**

**Executive Office:** \_\_\_\_\_

**ENGINEER:**  
B2Z Engineering, LLC

**COUNTY:**  
COUNTY OF HIDALGO

\_\_\_\_\_  
Aisha Gonzalez, 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 “C”** – *Approved Work/Project Schedule (If applicable)*



# **ATTACHMENT A**

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**PROJECT SPECIFIC SCOPE OF SERVICES  
TO BE PROVIDED BY ENGINEER**

February 3, 2023

Ms. Jireh Lira Cabello  
Hidalgo County Purchasing Department  
Contract Specialist III  
100 North Closner  
Edinburg, Texas 78539

**Reference: Hidalgo County - Elections Building ~ CMT Proposal**

Dear Ms. Cabello:

B2Z Engineering, LLC. appreciates the opportunity to submit the budget estimate to provide materials testing services in response to your Request for Proposal issued January 30, 2023. Based on the information furnished to us, we estimate a budget of \$22,096.78. Any additional services requested and not part of this estimate will be charged in accordance with B2Z's fee schedule. A worksheet with the breakdown of quantities is included with this proposal for your convenience.

We look forward to working with you. If you have any questions, please contact us at your convenience.

Sincerely,  
**B2Z Engineering, LLC.**



Hector Cantu  
Corporate Laboratory Manager

Attachments: Cost Estimate



# **ATTACHMENT B**

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## **FEE PROPOSAL**

**Exhibit D**

**Hidalgo County Elections Building  
Construction Materials Testing Services  
Fee Schedule**

<b>Service Earthwork:</b>	<b>UNIT RATE</b>		<b>QUANTITY</b>		<b>TOTAL</b>
Moisture-Density Relationship (Proctor)	\$225.00	ea	2	\$	450.00
Atterberg Limits Determinations (P.I.) (ASTM/AASHTO)	\$135.00	ea	2	\$	270.00
Sieve Analysis -200	\$60.00	ea	1	\$	60.00
Sieve Analysis - Flexible Base Material	\$90.00	ea	1	\$	90.00
Technician Time Sampling	\$83.91	hr	20	\$	1,678.20
Field Density Test - Utility	\$28.00	ea	24	\$	672.00
Technician Time - Density Testing - Utility	\$83.91	hr	16	\$	1,342.56
Vehicle Travel Charge	\$0.625	miles	320	\$	200.00
<b>Subtotal</b>				<b>\$</b>	<b>4,762.76</b>
<b>Concrete: Civil</b>					
Concrete Compressive Strength Tests	\$30.00	ea	10	\$	300.00
Technician Time - Concrete Testing	\$83.91	hr	4	\$	335.64
Air Content of Concrete	\$25.00	ea	2	\$	50.00
Technician Time - Pick-Up of Specimen(s)	\$83.91	hr	2	\$	167.82
Vehicle Travel Charge	\$0.625	miles	160	\$	100.00
<b>Subtotal</b>				<b>\$</b>	<b>953.46</b>
<b>Structural Steel Observation:</b>					
Structural Steel Observation/Bolts and Weld Certified Welding Inspector	\$225.00	hr	50	\$	11,250.00
Non- Destructive Testing (Radiographic/Ultrasonic)	Cost + 15%	ea	As Requested		
Vehicle Travel Charge	\$0.625	miles	320	\$	200.00
<b>Subtotal</b>				<b>\$</b>	<b>11,450.00</b>
<b>Professional Services:</b>					
Project Manager	\$196.76	hr	7	\$	1,377.32
Project Engineer	\$130.21	hr	14	\$	1,822.94
Admin/Clerical	\$66.55	hr	26	\$	1,730.30
<b>Subtotal</b>				<b>\$</b>	<b>4,930.56</b>
			<b>GRAND TOTAL</b>	<b>\$</b>	<b>22,096.78</b>