

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-25-0006-01-09**.

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 on January 28, 2025 as indicated below and effective as of **28th day of January 2025**.

EXECUTED as of the day and year first written above.

APPROVED BY COMMISSIONERS' COURT ON January 28, 2025.

Agenda Item No. 98128

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

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

SCOPE OF SERVICES TO BE PROVIDED BY THE ENGINEER

PROJECT DESCRIPTION

The services designated herein as “Services provided by the ENGINEER” shall include the performance of all Geotechnical/Construction Material Testing Services for the following described facility:

ENTITY: HIDALGO COUNTY PRECINCT NO. 4

PROJECT/DESCRIPTION: WA#1 – San Manuel Emergency Services Facility Canopy Addition

ENGINEER shall mean B2Z ENGINEERING, LLC.

COUNTY shall mean HIDALGO COUNTY

CONSTRUCTION PHASE SERVICES

CONSTRUCTION MATERIAL TESTING:

The ENGINEER/LABORATORY will provide the COUNTY with construction material testing services for the Project. The services to be provided include sampling and testing of all construction materials as required by the project plans and specifications. All sampling frequencies and test procedures will be performed in general accordance with the Texas Department of Transportation TEX methods (or ASTM methods as required) as outlined in the Guide Schedule for Sampling and Testing (11/07). The construction material testing includes, but is not limited to the following:

- 1) Attend the COUNTY'S and respective Party's pre-construction and construction meetings as requested to establish coordination and lines of communication for proposed construction materials testing during construction activities.
- 2) Consult and advise with the COUNTY during construction.
- 3) Sampling and testing of soils and base materials proposed for use in the construction of Project (Roads/Bridges/Drainage Structures/Misc.) to determine compliance of these materials with project plans and specifications.
- 4) Field density testing of soils and base materials to ensure proper compaction as required by project plans and specifications.
- 5) Field sampling and testing of fresh concrete, and testing of hardened concrete to determine compliance with project plans and specifications.
- 6) Field compaction testing of asphalt to ensure proper compaction during lay down operations.
- 7) Field inspection, sampling and testing of asphalt materials to determine their material properties and their compliance with project plans and specifications.
- 8) The ENGINEER will be responsible for concrete batching as well as the asphalt testing at the plants to insure delivery of acceptable material to the job site.
- 9) Any additional testing as required/requested by the COUNTY and the project plans and specifications.
- 10) Providing accurate and timely reports to the COUNTY and all/other recipients as designated by the COUNTY.
- 11) The ENGINEER will verify the concrete and asphalt designs to assure it is in accordance with TxDOT specifications to be developed by the contractor.

MISCELLANEOUS/OTHER:

- 1) Act for COUNTY 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 of Testing and Materials, where applicable, or other standards designated by COUNTY.

SCOPE OF SERVICES TO BE PROVIDED BY THE ENGINEER

- 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 of Standards and Technology (NIST) of the United States Department of Commerce, and, upon request, submit to the COUNTY or its authorized representative documentation of such calibration.
- 4) 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 COUNTY within a reasonable time.
- 5) The ENGINEER will coordinate with the Design Engineer of Record to review and check all shop or working drawings furnished by the Contractor.
- 6) The ENGINEER will track Utility Relocations and develop as built drawings to depict the location of the utility and the work as actually constructed.
- 7) The ENGINEER will provide Monthly Reports/Presentations to the COUNTY.
- 8) The ENGINEER will provide inspection of all materials and equipment furnished/used by the Contractor as follows:
 - a. Review and record all laboratory, shop and mill tests of materials and equipment for compliance with the construction contract specifications.
 - b. Observe and/or perform Project record testing and/or independent assurance testing as outlined in the construction contract specifications.

NOTE: Change in and/or additional services to Scope will require prior approval from the COUNTY prior to undertaking.



ATTACHMENT B

FEE PROPOSAL



B2Z Engineering, LLC.
 900 S. Stewart Road
 Suite 4
 Mission, TX 78572
 (956) 585-3773
Hector@B2ZEng.com

CONSTRUCTION MATERIALS TESTING

Emergency Services Facility Expansion Improvements

DATE

01/15/2025

DESCRIPTION OF WORK

Construction Material Testing Services

CLIENT

Attn: Nick Perez,
 MBA, CPM
 Hidalgo County Precinct 4
 1051 N. Doolittle Rd.
 Edinburg, TX 78542
 (956) 383-3112

LABOR	QTY	RATE/ HR	TOTAL
PERSONNEL			
Project Engineer (Oversight)	4	\$ 162.39	\$ 649.56
Sr. Engineering Tech.	9	\$ 137.13	\$ 1,234.17
Tech Time	50	\$ 104.65	\$ 5,232.50
Vehicle Trip Charge (70 Miles R/T)	1190	\$ 0.67	\$ 797.30
Reports	17	\$ 25.00	\$ 425.00
Admin/Clerical	17	\$ 83.00	\$ 1,411.00
ESTIMATED LABOR TOTAL			\$9,749.53

MATERIALS	QTY	UNIT PRICE/ EA	TOTAL
EARTHWORK			
Atterberg Limits of Soils	2.00	\$ 135.00	\$ 270.00
Moisture/Density	2.00	\$ 225.00	\$ 450.00
Lime Series Determination	1.00	\$ 400.00	\$ 400.00
In-Place Density	12.00	\$ 28.00	\$ 336.00
Asphalt			
Rolling Pattern	2.00	\$ 45.00	\$ 90.00
Pavement Thickness	3.00	\$ 95.00	\$ 285.00
CONCRETE/MASONARY			
Compressive Strength Tests	12.00	\$ 30.00	\$ 360.00
ESTIMATED MATERIALS TOTAL			\$2,191.00

ESTIMATED TOTAL			\$11,940.53
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AUTHORIZED SIGNATURE

THANK YOU

For questions concerning this estimate, please contact

Hector Cantu
 (281) 717-4016
Hector@B2ZEng.com
www.B2ZEng.com

The specific hourly rate within each classification listed under Labor/Staff Classification depends on the experience, training, and qualifications of the personnel. A two (2) hour minimum billing at the applicable rate will be assessed per visit to project site.

Services provided on Saturday, Sunday and all work in excess of "normal" work hours will be invoiced at an overtime rate of 1.5 times the applicable rate for the work performed. The cost of services is based upon the assumption that services will be provided during "normal" working hours. Normal working hours are between 7:00 a.m. and 6:00 p.m., Monday through Friday.



ATTACHMENT C

APPROVED WORK/PROJECT SCHEDULE

EXHIBIT “C”
WORK SCHEDULE

The Work Schedule will be reflected to the CONTRACTOR’S work schedule. The ENGINEER will provide contracted services until project completion.