

STATE OF TEXAS §
 §
COUNTY OF HIDALGO §

FIRST AMENDMENT TO ON-CALL PROFESSIONAL ENGINEERING SERVICES AGREEMENT

C-23-0416-10-31

This **FIRST AMENDMENT** to the services contract, **C-23-0416-10-31**, for On-Call Professional Engineering Services (“Agreement”) by and between **The County of Hidalgo, Texas** (“County”) and **B2Z ENGINEERING, LLC**, (“Engineer”), collectively as (“Parties”) is entered into this **24th** day of **September 2024**, between the Parties, as follows:

WITNESSETH

WHEREAS, County and Engineer entered into the services contract, **C-23-0416-10-31** on the **31st** day of **October 2023** concerning Professional Engineering Services for **Precinct No. 2**;

WHEREAS, Section 15.1 “Amendments” and 38.a. “Entire Agreement” of the Contract allows for **C-23-0416-10-31** to be modified or amended only by agreement in writing executed by County and Engineer, and not otherwise.

WHEREAS, the Parties now desire to amend the existing “Exhibit B – Contract Rates” to reflect **B2Z Engineering, LLC**’s updated contract rates;

NOW THEREFORE, in consideration of the mutual covenants provided below, the County and the Engineer agree that said Agreement is amended as follows:

- I. “Exhibit B- Contract Rates” of the initial contract is hereby replaced by the updated “Exhibit B – Contract Rates” attached hereto as Attachment A and hereby incorporated by reference for all purposes as part of the agreement (C-23-0416-10-31).

Except as modified herein, all terms and conditions of the Contract, as amended, remain in full force and effect and Engineer and County ratify and confirm the terms, and provisions of the Contract as amended.

EXECUTED as of the day and year first written above.

APPROVED BY COMMISSIONERS COURT ON SEPTEMBER 24, 2024.

Agenda Item No.: 96785

Executive Office: _____

ENGINEER:
B2Z ENGINEERING, LLC

COUNTY:
COUNTY OF HIDALGO, TEXAS

Aisha Gonzalez, President

Hon. Richard F. Cortez, County Judge

APPROVED AS TO FORM
Office of the Hidalgo County
Criminal District Attorney,
Toribio “Terry” Palacios

ATTEST:

Michelle Lopez, ADA

Arturo Guajardo, Jr., County Clerk

ATTACHMENTS:
Attachment A – Updated Contract Rates



ATTACHMENT A

Updated Contract Rates



GEOTECHNICAL & CONSTRUCTION MATERIALS TESTING SERVICES

Direct Expenses

Geotechnical Field Services

Mobilization (Drill Rig and Crew)	\$475.00/Day
Stand-By Time	\$205.00/Hr
Texas Cone Penetration Test (Tex-132)	\$6.00/Ea.
Soil Boring / Solid Stem	\$38.00/Lf
Soil Boring / Hollow Stem	\$38.00/Lf
Soil Boring / Mud Rotary	\$38.00/Lf
Mileage (Logger-Soil Tech)	\$0.655/Mi.
Support Truck	\$1.75/Mi.
Piezometer / Monitoring Well	By Quote

Soil Testing

Moisture Content Determination - ASTM D2216/Tex-103-E	\$12.00/Ea.
Determination of Liquid Limit of Soils - Tex-104-E	\$45.00/Ea.
Determination of Plastic Limit of Soils - Tex-105-E	\$45.00/Ea.
Determination of Plasticity Index of Soils – Tex-106-E	\$45.00/Ea.
Atterberg Limits of Soils - ASTM D 4318	\$135.00/Ea.
Bar Linear Shrinkage of Soils - Tex-107-E	\$45.00/Ea.
Particle Size Analysis of Soils (Gradation) - ASTM D 422/Tex-110-E	\$90.00/Ea.
Material Finer #200 Sieve - ASTM D 1140/Tex-111-E	\$60.00/Ea.
Lime Series Testing (PI Relation) - Tex-112-E	\$225.00/Ea.
Lime Series Testing (pH Relation) - Tex-121-E (Part III)	\$400.00/Ea.
Moisture-Density Relationship (TxDOT) - Tex-113-E /Tex-114-E	\$225.00/Ea.
Standard Proctor - ASTM D 698	\$225.00/Ea.
Modified Proctor - ASTM D 1557	\$225.00/Ea.
Field Density Test (Nuclear) - ASTM D 6938/Tex-115-E	\$28.00/Ea.
Determination of Soil pH - Tex-128-E	\$70.00/Ea.
Soil-Lime Testing - Tex-121-E (Part I)	\$175.00/Ea.
Resistivity of Soils - Tex-129-E	\$110.00/Ea.
Sulfate Content of Soils - Tex-145-E	\$95.00/Ea.
Organic Content of Soils – Tex-148-E	\$60.00/Ea.
Texas Wet Ball Mill (Material Quality) - Tex-116-E	\$250.00/Ea.
Triaxial Compression (Dist. Soil & Base) - Tex-117-E	\$2,300.00/Ea.
Unconfined Compression-Soil - ASTM D 2166	\$55.00/Ea.
Uniaxial Compression-Rock - ASTM D 7012	\$65.00/Ea.
Consolidation Test - ASTM D 2435	\$600.00/Ea.
Pulverization Gradation – Tex-101-E (Part III)	\$100.00/Ea.
Mechanical Grain Analysis ASTM D 6913	\$100.00/Ea.
Organic Content Determination (Ignition) ASTM D 2974	\$60.00/Ea.

Coarse & Fine Aggregate Quality Testing

Sieve Analysis (Dry)(4 Sieves) - ASTM C 136/Tex-200-F	\$65.00/Ea.
Sieve Analysis (Washed)(4 Sieve) - ASTM C 136/Tex-200-F	\$75.00/Ea.
Sieve Analysis (Conc. Aggregate)(5 Sieve) - Tex-401-A	\$90.00/Ea.
Sieve Analysis (Additional Sieves) - All Methods	\$15.00/Ea.

Deleterious Material (Coarse Aggr.) - Tex-217-F (Part I)	\$50.00/Ea.
Deleterious Material (Concrete Aggr.) - Tex-413-A	\$50.00/Ea.
Decantation (Coarse Aggr.) - Tex-217-F (Part II)	\$50.00/Ea.
Decantation Test (Fine Aggr. - Conc.) - ASTM C 117/Tex-406-A	\$50.00/Ea.
Specific Gravity/Absorp. (Conc. Aggr) - ASTM C127/Tex-403-A	\$80.00/Ea.
L.A. Abrasion - ASTM C13/ Tex-410-A	\$500.00/Ea.
Soundness (5 Cycle Magnesium Sulfate) - ASTM C 88/Tex-411-A	\$500.00/Ea.
SSD Unit Weight of Aggregates - ASTM C29/Tex-404-A	\$70.00/Ea.
Percent Voids/Solids in Conc. Aggr. - Tex-405-A	\$15.00/Ea.
*(In Conjunction w/ SSD Unit Wt of Aggregates)	

Sand Equivalent - ASTM D 2419/Tex-203-F	\$80.00/Ea.
Specific Gravity / Absorption (Fine Aggr.) - ASTM C 128/Tex -403-A	\$65.00/Ea.
Organic Impurities in Fine Aggregate -ASTM C 87/Tex -408-A	\$50.00/Ea.
Fineness Modulus of Fine Aggregate - Tex-402-A	\$15.00/Ea.
Flat & Elongated Particles (Coarse Aggr.) - Tex-280-F	\$60.00/Ea.
Coarse Aggr. Crushed Face (Coarse Aggr.) - Tex-460-A (Part I)	\$60.00/Ea.
Acid Insoluble of Fine Aggregate - Tex-612-J	\$90.00/Ea.

Pavement Testing (Mix & Roadway) / Asphalt Quality

Sieve Analysis (Paving Mix Gradation) - Tex-236-F/Tex-200-F	\$95.00/Ea.
Bulk Specific Gravity and Water Absorption of Aggregates – Tex-201-F	\$100.00/Ea.
Lab Method of Mixing Bituminous Mixtures (set of 3) – Tex-205-F	\$145.00/Ea.
Compacting Specimens Using the Texas Gyrotory Compactor (set of 3) - Tex-206-F	\$95.00/Ea.
Determine Drain down Characteristics in Bituminous Mixtures – Tex-235-F	\$60.00/Ea.
Asphalt Content - Tex-236-F	\$95.00/Ea.
Voids in Mineral Aggr. (VMA) - Tex-207-F	\$90.00/Ea.
Boil Test (Effect of Water on Paving Mix) - Tex-530-C/Tex-531-C	\$90.00/Ea.
Indirect Tensile Strength Test - Tex-226-F	\$62.50/Ea.
Moisture Content (Paving Mix) - Tex-212-F (Part II)	\$18.00/Ea.
Lab Molded Density - Tex-207-F	\$90.00/Ea.
Hamburg Wheel Tracker - Tex-242-F	\$1,000.00/Ea.
Field Coring – ACP Thickness - ASTM D 3549	\$70.00/Ea.
Pavement Thickness Det. (Full Depth) - ASTM D 3549	\$95.00/Ea.
Density of Cores (4 or 6 inch) (Set of 2) - Tex-207-F	\$80.00/Ea.
In-Place Air Voids - Tex-207-F	\$25.00/Ea.
Maximum Theoretical SPG (Rice Gravity) - Tex-227-F	\$95.00/Ea.
Extraction/Sieve Analysis/Asphalt Content - Tex-210-F/Tex-200-F	\$250.00/Ea.
Asphalt Rolling Pattern (Nuclear Method) - Tex-207-F (Part IV)	\$45.00/Ea.
Segregation Profile - Tex-207-F (Part V)	\$315.00/Ea.
Joint Density - Tex-207-F (Part VII)	\$315.00/Ea.
Tack Coat Adhesion - Tex-243-F	\$100.00/Ea.
Thermal Profile - Tex-244-F	\$200.00/Ea.
Ride Quality - Tex-1001-S	By Quote

Pavement Investigation (All Inclusive – QA Verification Field Sample) ~

Includes Core Exist. Asphalt for Thick. Perform Caliche Base Thick., Sieve Analysis & P.I., Stabilized Subgrade Thickness & P.I	\$550.00/Ea.
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Concrete/Masonry Field & Laboratory Testing

Temperature Test (Fresh Mix Conc.) - Tex-422-A	\$5.00/Ea.
Slump Test - ASTM C 143/Tex-415-A	\$20.00/Ea.
Air Content (Pressure Method) - ASTM C 231/Tex-416-A	\$25.00/Ea.

Air Content (Volumetric) - ASTM C 173	\$30.00/Ea.
Casting of Concrete Cylinders - ASTM C 31/Tex-447-A	~
Cylindrical Specimen Prep./Hold/Cure - ASTM C 192/ Tex-447-A	\$12.00/Ea.
Capping Cyl. Concrete Specimen – Tex-450-A	\$14.00/Ea.
Compressive Strength of Cyl. Specimen - ASTM C 39/Tex-418-A	\$18.00/Ea.
Casting of Grout Prisms - ASTM C 1019	~
Grout Prism Prep./Cure/Comp. Strength - ASTM C 39	\$35.00/Ea.
Casting of Mortar Cubes - ASTM C 780	~
Mortar Cube Prep./Cure/Comp. Strength - ASTM C 109	\$35.00/Ea.
Masonry Unit Prep. /Comp. Str. (Set of 3) - ASTM C 140	\$250.00/Ea.
Masonry Unit SPG/Abs./Unit Wt. (Set of 3) - ASTM C 140	\$250.00/Ea.

***(In Coniunction w/ Field Inspection)**

Structural

Bolt Technician	By Quote
Welding Inspection	By Quote

Miscellaneous Testing

Drilled Shaft Slurry Density - Tex-130-E (Part II)	\$25.00/Ea.
Drilled Shaft Slurry Sand Content - Tex-130-E (Part III)	\$25.00/Ea.
Drilled Shaft Slurry Viscosity - Tex-130-E (Part IV)	\$25.00/Ea.
Lime (Compliance with DMS 6350) (Tex-600-J)	\$300.00/Ea.
Asphalt Binder (Compliance with DMS-6310)	\$500.00/Ea.

Engineering Review, Evaluation, Management & Administration

Test Report	\$25.00/Ea.
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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 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.

Expenses

Mileage	\$0.67Mi.
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All other project specific, third-party costs will be charged at cost plus 10 percent.