STATE OF TEXAS

§ §

COUNTY OF FORT BEND §

AMENDMENT TO AGREEMENT FOR CONSTRUCTION MATERIALS TESTING SERVICES

THIS AMENDMENT, is made and entered into by and between Fort Bend County (hereinafter "County"), a body corporate and politic under the laws of the State of Texas, and Terracon Consultants, Inc., (hereinafter "Consultant"), a company authorized to conduct business in the State of Texas.

WHEREAS, the parties executed and accepted that certain Agreement for Construction Materials Testing Services on February 22, 2022, for the Greenbusch Road Paving and Drainage Improvements – Phase II under Mobility Bond Project No. 13312, pursuant to SOQ 14-025, (hereinafter "Agreement"); and

WHEREAS, the parties desire to amend the Agreement for additional professional services to be provided, increase the total Maximum Compensation under the Agreement for the completion of such additional services, and extend the Time for Performance under the Agreement.

NOW, THEREFORE, the parties do mutually agree as follows:

- 1. County shall pay Consultant an additional amount not to exceed thirty-five thousand and 00/100 dollars (\$35,000.00) to perform the additional Services, as described in Consultant's Proposal dated November 19, 2024, attached hereto as Exhibit "A-1" and incorporated herein for all purposes.
- 2. The Maximum Compensation payable to Consultant for all Services rendered is hereby increased to an amount not to exceed two hundred ninety-one thousand eighty and 00/100 dollars (\$291,080.00), authorized as follows:

\$256,080.00 under the Agreement; and

- \$ 35,000.00 under this Amendment.
- 3. In no case shall the amount paid by County for all Services under the Agreement and this Amendment exceed the Maximum Compensation without a written agreement executed by the parties.
- 4. The Time of Performance under the Agreement shall extend to end no later than December 31, 2027.

Amendment to Agreement for Construction Materials Testing Services
Paving and Drainage Improvements to Greenbusch Road
Mobility Bound Project No. 13312
Page 1 of 3

5. BY ACCEPTANCE OF AGREEMENT, CONSULTANT ACKNOWLEDGES THAT THE COUNTY IS OPPOSED TO HUMAN TRAFFICKING AND THAT NO COUNTY FUNDS WILL BE USED IN SUPPORT OF SERVICES OR ACTIVITIES THAT VIOLATE HUMAN TRAFFICKING LAWS.

Except as provided herein, all terms and conditions of the Agreement shall remain unchanged.

IN WITNESS WHEREOF, the parties hereto have signed or have caused their respective names to be signed to multiple counterparts to be effective on the date signed by the final party.

by the final party.		
FORT BEND COUNTY		TERRACON CONSULTANTS, INC.
Kflicorge		Cel Cel
KP George, County Judge		Authorized Agent – Signature
February 25, 2025		Chad C. Gordon, P.E.
Date	NERS COUNTY	Authorized Agent – Printed Name
ATTEST:	A A A A A A A A A A A A A A A A A A A	Senior Principal / Department Manage
	BEND COURT	Title
Jaura Richar	vd	January 30, 2025
Laura Richard, County Cle	rk	Date
APPROVED:	lili	

J. Stacy Slawinski, P.E., County Engineer

APPROVED AS TO LEGAL FORM:					
Dank For					
Darius R. Porter					
Assistant County Attorney					
General Counsel Division					
AUDITOR'S CERTIFICATE					
I hereby certify that funds are ava	ailable in the amount of \$291,080.00				
to accomplish and pay the obligation of F	Fort Bend County under this contract.				
	Prelit & Sturley of				
	Robert Ed Sturdivant, County Auditor				

Attachment:

Exhibit A-1 – Consultant's Proposal – November 19, 2024

l:\AGREEMENTS\2025 Agreements\Engineering\Terracon Consultants, Inc. (22-Eng-100231-A1)\Amendment to Agreement for Construction Materials Testing Services -- Terracon Consultants, Inc..docx. (DRP 01.22.25)

EXHIBIT A-1



November 19, 2024

Fort Bend County Engineering Department Ms. Elise K. Dillow, P.E. 301 Jackson Street, Suite 719 Richmond, Texas 77469

RE: Supplement to Agreement for Services
Greenbusch Road Paving & Drainage Improvements – Phase II
Ensley Hollow Drive, Katy, 77494
Change Order Request No.1
Terracon Project No. 92211495

Dear Ms. Dillow:

Terracon is providing the following budget status update and request for modification of budget for the Greenbusch Road Paving & Drainage Improvements – Phase II project. Terracon's current budget amount is \$256,080. Terracon would like to request funds in addition to the original contract amount.

Reasons for the Change Order:

- Updated Unit Fees as agreed to by Joseph Schwieterman with SPI Engineering (original proposal submitted September 29, 2021).

Original Contract Amount	\$256,080.00
Increase due to Updated Fees	\$35,000.00
Final Adjusted Budget	\$291,080.00

If you have any questions or require additional information, please contact us at your convenience.

Respectfully,

Terracon Consultants, Inc.

(Texas Firm Registration No. F-3272)

Karl N. Abousleiman, P.E.

Harl D. Abou Sameen

Project Manager

Materials Services

Mark D. Wells, P.E., PMP

Senior Project Manager Materials Services

Marke Nelle

Attachment: (1) Terracon 2023/2024 Schedule of Services and Fees



COST ESTIMATE

Greenbusch Road Paving & Drainage Improvements – Phase II Ensley Hollow Drive, Katy, 77494 Terracon Proposal No.P92211495

	Quantity	Unit	Unit Rate	Estimate	New Rate 2023/202
EARTHWORK					
Estimate 2 trips at 4 hours each to obtain subgrade sample					
Estimate 2 trips at 4 hours each to obtain cement stabilized sand Estimate 10 trip	s at 4 hours each	to observe	proofroll opera	ations	1
Estimate 103 trips at 12 hours each to test backfill for underground utilities					
Estimate 37 trips at 10 hours each to observe chemical subgrade treatmen, perfo	rm gradations, obt	tain treated	sample Estima	ate 45 trips at 6 hours	
each to test compaction of pavement subgrade	J				
5. a.c.					
Field Representative, Regular Hours	1356	hours	\$ 50.00	\$ 67,800.00	\$65.00
Field Representative, Over Time Hours	576	hours	\$ 75.00	\$ 43,200.00	\$97.50
Moisture Density Relationship - Standard	10	each	\$ 150.00	\$ 1,500.00	\$175.00
Moisture Density Relationship - Modified	2	each	\$ 220.00	\$ 440.00	\$220.00
Atterberg Limits	9	each	\$ 65.00	\$ 585.00	\$75.00
Compressive Strength for CSS	24	each	\$ 40.00	\$ 960.00	\$60.00
Density Gauge	148	day	\$ 60.00	\$ 8,880.00	\$60.00
/ehicle Charge	199	trip	\$ 60.00	\$ 11,940.00	\$70.00
Subtotal, Earthwork				\$ 135,305.00	_
FOUNDATION	=	4			
Estimate 4 trips at 8 hours each to observe and test concrete for top of wall sheet	t piling Estimate 3	trips at 12	nours each to	opserve and test	
concrete for drilled straight shafts					
Estimate 2 trips at 6 hours each to observe and test concrete for wingwall	56	harre	\$ 50.00	\$ 2,800.00	\$85.00
Field Representative, Regular Hours (Senior Field Representative) Field Representative, Over Time Hours	24	hours hours	\$ 50.00	\$ 2,800.00 \$ 1,800.00	\$85.00 \$127.50
reid Representative, Over Time Hours /ehicle Charge	9	trip	\$ 75.00	\$ 1,800.00 \$ 540.00	\$127.50 \$70.00
venicie Charge Concrete Test Cylinders	208	each	\$ 60.00	\$ 540.00	\$18.00
Sample Pick-up (Includes 1.5 hours to pickup cylinders, travel time and					\$18.00
sample Pick-up (includes 1.5 nours to pickup cylinders, travel time and processing)	9	day	\$ 150.00	\$ 1,350.00	\$1/5.00
Subtotal, Foundation	 		+ +	\$ 9,818.00	+
CAST-IN-PLACE CONCRETE				ψ 0,010.00	⊣
Estimate 35 trips at 8 hours each to test concrete for pavements	 				
Field Representative, Regular Hours	384	hours	\$ 50.00		
Field Representative, Over Time Hours	224 5			\$ 19,200.00	\$65.00
Mix Design Review /ehicle Charge		hours	\$ 75.00	\$ 16,800.00	\$97.50
venicie Charge		each	\$ 75.00 \$ 175.00	\$ 16,800.00 \$ 875.00	\$97.50 \$175.00
	91	each trip	\$ 75.00 \$ 175.00 \$ 60.00	\$ 16,800.00 \$ 875.00 \$ 5,460.00	\$97.50 \$175.00 \$70.00
Concrete Test Cylinders	91 504	each trip each	\$ 75.00 \$ 175.00 \$ 60.00 \$ 16.00	\$ 16,800.00 \$ 875.00 \$ 5,460.00 \$ 8,064.00	\$97.50 \$175.00 \$70.00 \$18.00
Concrete Test Cylinders Concrete Pavement Cores, 4" diameter up to 6" depth or less	91 504 24	each trip each each	\$ 75.00 \$ 175.00 \$ 60.00 \$ 16.00 \$ 100.00	\$ 16,800.00 \$ 875.00 \$ 5,460.00 \$ 8,064.00 \$ 2,400.00	\$97.50 \$175.00 \$70.00 \$18.00 \$100.00
Concrete Test Cylinders Concrete Pavement Cores, 4" diameter up to 6" depth or less Concrete Coring, additional thickness gretaer than 6" depth, per inch	91 504 24 24	each trip each each each	\$ 75.00 \$ 175.00 \$ 60.00 \$ 16.00 \$ 100.00 \$ 10.00	\$ 16,800.00 \$ 875.00 \$ 5,460.00 \$ 8,064.00 \$ 2,400.00 \$ 240.00	\$97.50 \$175.00 \$70.00 \$18.00 \$10.00 \$10.00
Concrete Test Cylinders Concrete Pavement Cores, 4" diameter up to 6" depth or less Concrete Coring, additional thickness gretaer than 6" depth, per inch lesting Concrete Cores (Includes: length, sawing, capping and compressive	91 504 24	each trip each each	\$ 75.00 \$ 175.00 \$ 60.00 \$ 16.00 \$ 100.00	\$ 16,800.00 \$ 875.00 \$ 5,460.00 \$ 8,064.00 \$ 2,400.00	\$97.50 \$175.00 \$70.00 \$18.00 \$100.00
Concrete Test Cylinders Concrete Pavement Cores, 4" diameter up to 6" depth or less Concrete Coring, additional thickness gretaer than 6" depth, per inch festing Concrete Cores (Includes: length, sawing, capping and compressive strength) Compressive Strength For Grout	91 504 24 24	each trip each each each	\$ 75.00 \$ 175.00 \$ 60.00 \$ 16.00 \$ 100.00 \$ 10.00	\$ 16,800.00 \$ 875.00 \$ 5,460.00 \$ 8,064.00 \$ 2,400.00 \$ 240.00	\$97.50 \$175.00 \$70.00 \$18.00 \$100.00 \$10.00 \$115.00
Concrete Test Cylinders Concrete Pavement Cores, 4" diameter up to 6" depth or less Concrete Coring, additional thickness gretaer than 6" depth, per inch festing Concrete Cores (Includes: length, sawing, capping and compressive strength) Compressive Strength For Grout Sample Pick-up (Includes 1.5 hours to pickup cylinders, travel time and	91 504 24 24 24	each trip each each each	\$ 75.00 \$ 175.00 \$ 60.00 \$ 16.00 \$ 100.00 \$ 100.00	\$ 16,800.00 \$ 875.00 \$ 5,460.00 \$ 8,064.00 \$ 2,400.00 \$ 240.00 \$ 2,400.00	\$97.50 \$175.00 \$70.00 \$18.00 \$10.00 \$11.00
Concrete Test Cylinders Concrete Pavement Cores, 4" diameter up to 6" depth or less Concrete Coring, additional thickness gretaer than 6" depth, per inch Testing Concrete Cores (Includes: length, sawing, capping and compressive strength) Compressive Strength For Grout Sample Pick-up (Includes 1.5 hours to pickup cylinders, travel time and processing)	91 504 24 24 24 24	each trip each each each each	\$ 75.00 \$ 175.00 \$ 60.00 \$ 16.00 \$ 100.00 \$ 100.00 \$ 100.00 \$ 35.00	\$ 16,800.00 \$ 875.00 \$ 5,460.00 \$ 8,064.00 \$ 2,400.00 \$ 240.00 \$ 2,400.00 \$ 420.00 \$ 13,650.00	\$97.50 \$175.00 \$70.00 \$18.00 \$100.00 \$10.00 \$115.00
Concrete Test Cylinders Concrete Pavement Cores, 4" diameter up to 6" depth or less Concrete Coring, additional thickness gretaer than 6" depth, per inch Testing Concrete Cores (Includes: length, sawing, capping and compressive Strength) Compressive Strength For Grout Sample Pick-up (Includes 1.5 hours to pickup cylinders, travel time and Processing) Subtotal, Cast-in-Place Concrete	91 504 24 24 24 24	each trip each each each each	\$ 75.00 \$ 175.00 \$ 60.00 \$ 16.00 \$ 100.00 \$ 100.00 \$ 100.00 \$ 35.00	\$ 16,800.00 \$ 875.00 \$ 5,460.00 \$ 8,064.00 \$ 2,400.00 \$ 240.00 \$ 2,400.00 \$ 420.00	\$97.50 \$175.00 \$70.00 \$18.00 \$100.00 \$10.00 \$115.00
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Concrete Test Cylinders Concrete Pavement Cores, 4" diameter up to 6" depth or less Concrete Pavement Cores, 4" diameter up to 6" depth or less Concrete Coring, additional thickness gretaer than 6" depth, per inch esting Concrete Cores (Includes: length, sawing, capping and compressive strength) Compressive Strength For Grout Sample Pick-up (Includes 1.5 hours to pickup cylinders, travel time and processing) subtotal, Cast-in-Place Concrete (SPHALT Estimate 6 trips at 10 hours each to test asphalt base and surface course	91 504 24 24 24 12 91	each trip each each each each day	\$ 75.00 \$ 175.00 \$ 60.00 \$ 16.00 \$ 100.00 \$ 100.00 \$ 150.00 \$ 150.00	\$ 16,800.00 \$ 875.00 \$ 5,460.00 \$ 8,064.00 \$ 2,400.00 \$ 240.00 \$ 240.00 \$ 420.00 \$ 13,650.00 \$ 69,509.00	\$97.50 \$175.00 \$70.00 \$18.00 \$100.00 \$110.00 \$115.00 \$50.00 \$175.00
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Concrete Test Cylinders Concrete Pavement Cores, 4" diameter up to 6" depth or less Concrete Pavement Cores, 4" diameter up to 6" depth or less Concrete Coring, additional thickness gretaer than 6" depth, per inch Testing Concrete Cores (Includes: length, sawing, capping and compressive Strength) Compressive Strength For Grout Sample Pick-up (Includes 1.5 hours to pickup cylinders, travel time and Coccessing) Subtotal, Cast-in-Place Concrete SSPHALT Setimate 6 trips at 10 hours each to test asphalt base and surface course Tield Representative, Regular Hours Tield Representative, Over Time Hours Mix Design Review Saphalt Lab Series Saphalt Coring Sulk Density (Core), per set of 3 Measuring Thickness of Asphalt Cores Vehicle Charge Subtotal, Asphalt PROJECT MANAGEMENT AND ADMINISTRATION Senior Project Engineer	91 504 24 24 24 12 91 48 12 2 6 5 5	each trip each each each each each hours hours each each each each	\$ 75.00 \$ 175.00 \$ 16.00 \$ 16.00 \$ 100.00 \$ 100.00 \$ 100.00 \$ 35.00 \$ 150.00 \$ 250.00 \$ 250.00 \$ 550.00 \$ 90.00 \$ 59.00 \$ 160.00	\$ 16,800.00 \$ 875.00 \$ 5,460.00 \$ 8,064.00 \$ 2,400.00 \$ 2,400.00 \$ 240.00 \$ 13,650.00 \$ 69,509.00 \$ 900.00 \$ 900.00 \$ 500.00 \$ 3,300.00 \$ 450.00 \$ 118.00 \$ 450.00 \$ 360.00 \$ 8,073.00 \$ 825.00	\$97.50 \$175.00 \$70.00 \$18.00 \$100.00 \$110.00 \$115.00 \$50.00 \$175.00 \$97.50 \$250.00 \$75.00 \$70.00 \$70.00 \$70.00
Concrete Test Cylinders Concrete Pavement Cores, 4" diameter up to 6" depth or less Concrete Pavement Cores, 4" diameter up to 6" depth or less Concrete Coring, additional thickness gretaer than 6" depth, per inch Testing Concrete Cores (Includes: length, sawing, capping and compressive strength) Compressive Strength For Grout Sample Pick-up (Includes 1.5 hours to pickup cylinders, travel time and Processing) Subtotal, Cast-in-Place Concrete SSPHALT Stimate 6 trips at 10 hours each to test asphalt base and surface course Tield Representative, Regular Hours Tield Representative, Over Time Hours Tield Representative, Over Time Hours Tield Representative, Over Time Hours Tield Design Review Tield Series Tield Series Tield Coring Tield Density (Core), per set of 3 Tield Density (Core) Tield Density (91 504 24 24 22 12 91 48 12 2 6 5 5 6	each trip each each each each each each each trip each each each trip	\$ 75.00 \$ 175.00 \$ 16.00 \$ 16.00 \$ 100.00 \$ 100.00 \$ 100.00 \$ 35.00 \$ 150.00 \$ 550.00 \$ 550.00 \$ 59.00 \$ 60.00	\$ 16,800.00 \$ 875.00 \$ 875.00 \$ 5,460.00 \$ 8,064.00 \$ 2,400.00 \$ 240.00 \$ 13,650.00 \$ 69,509.00 \$ 500.00 \$ 3,300.00 \$ 445.00 \$ 118.00 \$ 45.00 \$ 360.00 \$ 8,073.00 \$ 825,500.00	\$97.50 \$175.00 \$70.00 \$18.00 \$100.00 \$110.00 \$115.00 \$50.00 \$175.00 \$97.50 \$250.00 \$75.00 \$70.00 \$70.00 \$70.00 \$70.00
Concrete Test Cylinders Concrete Test Cylinders Concrete Pavement Cores, 4" diameter up to 6" depth or less Concrete Coring, additional thickness gretaer than 6" depth, per inch Festing Concrete Cores (Includes: length, sawing, capping and compressive strength) Compressive Strength For Grout Sample Pick-up (Includes 1.5 hours to pickup cylinders, travel time and processing) Subtotal, Cast-in-Place Concrete ASPHALT Estimate 6 trips at 10 hours each to test asphalt base and surface course Field Representative, Regular Hours Field Representative, Over Time Hours Mix Design Review Asphalt Lab Series Asphalt Coring Bulk Density (Core), per set of 3 Measuring Thickness of Asphalt Cores Vehicle Charge Subtotal, Asphalt PROJECT MANAGEMENT AND ADMINISTRATION Senior Project Engineer Project Manager / Project Engineer (P.E.) Administration	91 504 24 24 22 12 91 48 12 2 6 5 5 6 5 170 90	each trip each each each each each hours hours each each each each hours hours hours hours hours	\$75.00 \$175.00 \$60.00 \$16.00 \$100.00 \$100.00 \$150.00 \$150.00 \$250.00 \$250.00 \$59.00 \$90.00 \$60.00 \$150.00 \$75.00	\$ 16,800.00 \$ 875.00 \$ 5,460.00 \$ 8,064.00 \$ 2,400.00 \$ 2,400.00 \$ 2,400.00 \$ 13,650.00 \$ 69,509.00 \$ 2900.00 \$ 118.00 \$ 118.00 \$ 450.00 \$ 118.00 \$ 45.00 \$ 360.00 \$ 360.00 \$ 360.00 \$ 8,073.00 \$ 25,500.00 \$ 25,500.00 \$ 25,500.00 \$ 375,500.00	\$97.50 \$175.00 \$70.00 \$18.00 \$100.00 \$115.00 \$50.00 \$175.00 \$97.50 \$250.00 \$75.00 \$70.00 \$70.00 \$165.00
Concrete Test Cylinders Concrete Pavement Cores, 4" diameter up to 6" depth or less Concrete Pavement Cores, 4" diameter up to 6" depth or less Concrete Coring, additional thickness gretaer than 6" depth, per inch Testing Concrete Cores (Includes: length, sawing, capping and compressive strength) Compressive Strength For Grout Sample Pick-up (Includes 1.5 hours to pickup cylinders, travel time and processing) Subtotal, Cast-in-Place Concrete ASPHALT Estimate 6 trips at 10 hours each to test asphalt base and surface course Field Representative, Regular Hours Field Representative, Over Time Hours Mix Design Review Asphalt Coring Bulk Density (Core), per set of 3 Measuring Thickness of Asphalt Cores Vehicle Charge Subtotal, Asphalt PROJECT MANAGEMENT AND ADMINISTRATION Senior Project Engineer Project Manager / Project Engineer (P.E.) Administration Vehicle Charge	91 504 24 24 22 12 91 48 12 2 6 5 5 6	each trip each each each each each each each trip each each each trip	\$ 75.00 \$ 175.00 \$ 16.00 \$ 16.00 \$ 100.00 \$ 100.00 \$ 100.00 \$ 35.00 \$ 150.00 \$ 550.00 \$ 550.00 \$ 59.00 \$ 60.00	\$ 16,800.00 \$ 875.00 \$ 5,460.00 \$ 8,064.00 \$ 2,400.00 \$ 2,400.00 \$ 2,400.00 \$ 420.00 \$ 13,650.00 \$ 69,509.00 \$ 500.00 \$ 3,300.00 \$ 450.00 \$ 118.00 \$ 450.00 \$ 360.00 \$ 360.00 \$ 360.00 \$ 373.00 \$ 380.00 \$ 380.00 \$ 380.00 \$ 300.00 \$ 300.00 \$ 300.00 \$ 300.00 \$ 300.00 \$ 300.00	\$97.50 \$175.00 \$70.00 \$18.00 \$100.00 \$115.00 \$150.00 \$175.00 \$50.00 \$97.50 \$250.00 \$70.00 \$70.00 \$70.00 \$70.00 \$175.00
Concrete Test Cylinders Concrete Pavement Cores, 4" diameter up to 6" depth or less Concrete Pavement Cores, 4" diameter up to 6" depth or less Concrete Coring, additional thickness gretaer than 6" depth, per inch Testing Concrete Cores (Includes: length, sawing, capping and compressive strength) Compressive Strength For Grout Sample Pick-up (Includes 1.5 hours to pickup cylinders, travel time and processing) Subtotal, Cast-in-Place Concrete ASPHALT Estimate 6 trips at 10 hours each to test asphalt base and surface course Field Representative, Regular Hours Field Representative, Over Time Hours Mix Design Review Asphalt Coring Bulk Density (Core), per set of 3 Measuring Thickness of Asphalt Cores Vehicle Charge Subtotal, Asphalt PROJECT MANAGEMENT AND ADMINISTRATION Senior Project Engineer Project Manager / Project Engineer (P.E.) Administration Vehicle Charge	91 504 24 24 22 12 91 48 12 2 6 5 5 6 5 170 90	each trip each each each each each hours hours each each each each hours hours hours hours hours	\$75.00 \$175.00 \$60.00 \$16.00 \$100.00 \$100.00 \$150.00 \$150.00 \$250.00 \$250.00 \$59.00 \$90.00 \$60.00 \$150.00 \$75.00	\$ 16,800.00 \$ 875.00 \$ 5,460.00 \$ 8,064.00 \$ 2,400.00 \$ 2,400.00 \$ 2,400.00 \$ 13,650.00 \$ 69,509.00 \$ 2900.00 \$ 118.00 \$ 118.00 \$ 450.00 \$ 118.00 \$ 45.00 \$ 360.00 \$ 360.00 \$ 360.00 \$ 8,073.00 \$ 25,500.00 \$ 25,500.00 \$ 25,500.00 \$ 375,500.00	\$97.50 \$175.00 \$70.00 \$18.00 \$100.00 \$115.00 \$50.00 \$175.00 \$97.50 \$250.00 \$75.00 \$70.00 \$70.00 \$165.00
Concrete Test Cylinders Concrete Pavement Cores, 4" diameter up to 6" depth or less	91 504 24 24 22 12 91 48 12 2 6 5 5 6 5 170 90	each trip each each each each each hours hours each each each each hours hours hours hours hours	\$75.00 \$175.00 \$60.00 \$16.00 \$100.00 \$100.00 \$150.00 \$150.00 \$250.00 \$250.00 \$59.00 \$90.00 \$60.00 \$150.00 \$75.00	\$ 16,800.00 \$ 875.00 \$ 5,460.00 \$ 8,064.00 \$ 2,400.00 \$ 2,400.00 \$ 2,400.00 \$ 420.00 \$ 13,650.00 \$ 69,509.00 \$ 500.00 \$ 3,300.00 \$ 450.00 \$ 118.00 \$ 450.00 \$ 360.00 \$ 360.00 \$ 360.00 \$ 373.00 \$ 380.00 \$ 380.00 \$ 380.00 \$ 300.00 \$ 300.00 \$ 300.00 \$ 300.00 \$ 300.00 \$ 300.00	\$97.50 \$175.00 \$70.00 \$18.00 \$10.00 \$11.00 \$115.00 \$50.00 \$175.00 \$97.50 \$250.00 \$70.00 \$70.00 \$70.00 \$165.00



Personnel

Principal, per hour	.\$	225.00
Senior Engineer, P.E., per hour		
Senior Project Manager / Project Engineer, per hour	.\$	<mark>165.00</mark>
Project Manager / Graduate Engineer, per hour	.\$	140.00
Administrative Staff, per hour	.\$	85.00
Certified Welding Inspector (CWI), per hour	\$	150.00
Senior Engineering Technician, per hour	\$	85.00
Engineering Technician, per hour	\$	65.00
<u>Transportation</u>		
Vehicle Charge (local, within Fort Bend County), per trip	.\$	70.00

Reimbursable Expenses

Direct non-salary expenses incurred, identifiable and not applicable to general overhead are billed at no cost plus for handling and include, but are not limited to the following:

Remarks:

A four (4) hour minimum charge for personnel and equipment is applicable to all trips made for the performance of testing, inspection or consulting services. The minimum charge is not applicable for trips to the project site for sample pick up only. All labor, equipment and transportation charges are billed on a portal to portal basis from our office.

Overtime rates of 1.5 times the quoted hourly rate will be applicable to any hours worked outside of our normal office hours of 7:00 AM to 6:00 PM Monday through Friday, and any hours worked on weekends, Terracon holidays or over eight (8) hours per day.

Expert testimony in depositions, hearings, mediation, and trials will be charged at 1.5 times the above rates.



Concrete Mix Verifications

Regular aggregates, each	\$ 300.00
Lightweight aggregates, each	\$ 350.00
Additional design, same aggregate sample, each	\$ 200.00
Review mix design submitted by others, each	\$ 175.00
Batch and confirmation of others mix design each	
Design confirmation cylinder test (ASTM C-39), each	\$ 18.00
Design confirmation beam test (ASTM C-293 or C-78), each	
<u>Concrete Tests</u>	
Cylinder compression test (ASTM C-39), each	\$ 18.00
Beam flexural test (ASTM C-293 or C-78), each	\$ 55.00
Cube compression test (ASTM C-109), each	
Compressive strength of shotcrete/gunite (ASTM C-1140), each	
Lightweight insulating concrete compression test, 3" x 6" cylinders	
(ASTM C-495), each	\$ 35.00
Lightweight insulating concrete Dry Unit Weight 3" x 6" cylinders	
(ASTM C-495), each	\$ 35.00
Windsor probes, per set of 3 (Technician time charged separately) (ASTM C-305)	
Length change of hardened hydraulic cement mortar of concrete	
(ASTM C-157), set of 3	\$ 400.00
Oven Dry Density of Structural Lightweight Concrete (ASTM C-567), each	
Density of Hardened Concrete (ASTM C-642), each	
Determining F _F Floor Flatness and F _L Floor Levelness Numbers for Random	
Traffic Floors (ASTM E-1155) (includes labor, equipment, & vehicle),	
4 Hr. Minimum, per hour	\$ 150.00
Hilti® Ferroscan (includes labor, equipment, & vehicle), 4 Hr. Minimum, per hour	
Hilti® GPR (includes labor, equipment, & vehicle), 4 Hr. Minimum, per hour	
Masonry Tests	
Cement mortar mix verification (ASTM C-305), each	\$ 300.00
Compressive strength CMU block (ASTM C-140), each	\$ 100.00
CMU block absorption only (ASTM C-140), each	
Compressive strength masonry prism (ASTM C-1314)	
CMU prism up to 8 (in.) width, Hollow Cells, each	\$ 100.00
CMU prism up to 8 (in.) width, Grout Filled Cells, each	
Brick prism up to 4 (in.) width, each	
Compressive strength of masonry cube/cylinder (ASTM C-109/C-780), each	30.00
Compressive strength of grout prism (ASTM C-1019), each	50.00
Compressive strength of Brick and Structural Clay Tiles (ASTM C-67), each	\$ 75.00



Aggregate Tests

Sieve analysis, dry (ASTM C-136), each
Sieve analysis (ASTM C-117), each
Sieve analysis w/ -200 (ASTM C-136 & C-117), each
Unit weight (ASTM C-29), each
Specific gravity/absorption (ASTM C-127 or C-128), each
Organic impurities (ASTM C-40), each \$75.00
Resistivity (TX 129E), each
L.A. abrasion (ASTM C-131 or C-535), each
Sulfate soundness, 5 cycles (ASTM C-88), each
Additional cycles, each\$ 175.00
Sample prep if uncrushed\$ 25.00
Potential Alkali-Silica Reactivity of Aggregates (Mortar Bar Method) (ASTM C1260/C1567):
2 samples or less, each\$ 1,400.00
3 or more samples, each
Sand Equivalent (ASTM D-2419, TX 203-F), each
Deleterious Material (ASTM C142), each
Lightweight Pieces (ASTM C123):
Fine Aggregate, each
Coarse Aggregate, each \$\) 150.00
Chert, each
Percent Flat / Elongated Particles (ASTM D-4791), each
Percent Fractures Faces (ASTM D-4791), each \$\)\$ 65.00
Soils Laboratory Tests
Classification
Moisture Content and visual classification, each
Atterberg limits (ASTM D-4318 Method A), each
Percent Passing No. 200 Sieve (ASTM D-1140), each\$80.00
Sieve Analysis, each \$85.00
Grain Size Analysis (Sieve), each
Hydrometer Analysis, each \$125.00
Density, each
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Compaction

Optimum moisture / maximum density relations (proctors)						
ASTM D-698, method A & B, each\$ 175.00						
ASTM D-698, method C, each (Includes Rock Correction ASTM D4718)\$ 200.00						
ASTM D-1557, method A & B, each\$ 220.00						
ASTM D-1557, method C, each (Includes Rock Correction ASTM D4718)\$ 235.00						
TXDOT 113E, each\$ 270.00						
TXDOT 114E, Part I, each\$ 220.00						
TXDOT 114E, Part II, each\$ 270.00						
Relative density (ASTM D-4254), eachBy Quotation						
Sample preparation (if required), eachBy Quotation						
<u>Strength</u>						
TXDOT wet ball mill value (TEX 116E), each\$ 250.00						
TXDOT triaxial series (TEX 117E), each						
California Bearing Ratio (CBR) (ASTM D-1883), each\$ 450.00						
Compressive Strength Tests including molding						
Fine grained soils (ASTM D-1633, Method A), each\$ 85.00						
Base material (TEX 120E), each\$ 100.00						
Stabilization Evaluation						
Soil - Lime curve, 5 point PI vs. Lime content, each (Does Not include pH)\$ 350.00						
Cement content (ASTM D-806), each \$750.00						
Cement content (ASTM D-806), two or more samples, each						
Soil pH Value, each						
Fresh cement content (ASTM D-2901), each						
Fresh cement content 3 point curve (ASTM D-2901), each\$ 420.00						
Compressive Strength of Cement Stabilized Sample (ASTM D-1633, Method A), each\$ 60.00						
Soils Field Services						
Technician time will be charged at the appropriate hourly rate plus:						
Nuclear density gauge, per day\$ 60.00						



Coring Services* *Coring performed by a Terracon Approved Sub-Contractor Core drilling, minimum charge per trip, local, each	100.00 10.00 115.00 70.00 8.00 75.00
Asphaltic Concrete Services	
Molding specimens (TEX 206F), set of 3	150.00 65.00
Maximum theoretical density (TEX 227F), each	120.00 80.00 240.00 240.00 ,600.00
NDE Field Services	200.00
Technician time will be charged at the appropriate hourly rate plus: Ultrasonic gauge, per day	150.00 500.00 100.00 100.00
Sprayed Applied Fireproofing Materials	
Density by Displacement Method (ASTM E-605), each	
Roofing Materials	
Dissection Analysis of built-up roof cuts (ASTM D-2829, D-3617), with aggregate\$ Dissection Analysis of built-up roof cuts (ASTM D-2829, D-3617), without aggregate\$ Moisture content of roofing aggregate (ASTM D-1864)	350.00 50.00



Remarks

- Tests not listed can be quoted on request.
- Rush test results are subject to a surcharge.
- Engineering consultation and evaluation in connection with any laboratory testing service will be charged at the appropriate rate.
- Materials samples should be submitted in a form that complies with applicable requirements.
- Prices quoted for concrete coring are for paving and flat work. Charges for coring structural concrete can be quoted on request.
- Special supplies, permits, equipment, associated drilling, sampling, field testing, on site facilities, grading contractors, water trucks, bulldozers, security forces, surveyors or other support services will be billed at cost plus 20 percent.
- All rented equipment and outside services not identified in the fee schedule will be billed at cost.

CERTIFICATE OF INTERESTED PARTIES

FORM **1295**

1 of 1

	Complete Nos. 1 - 4 and 6 if there are interested parties. Complete Nos. 1, 2, 3, 5, and 6 if there are no interested parties.			OFFICE USE ONLY CERTIFICATION OF FILING			
	Name of business entity filing form, and the city, state and country of the business entity's place			Certificate Number:			
of	business.		5-1262249				
	erracon ouston, TX United States	Date	Date Filed:				
2 Na	ame of governmental entity or state agency that is a party to	o the contract for which the form	04.16	01/29/2025			
	eing filed.	Date	Date Acknowledged:				
г	on Bend County	nd County Date 02/2					
	rovide the identification number used by the governmental escription of the services, goods, or other property to be pro		dentify the o	contract, and prov	vide a		
	3312 onstruction Materials Testing - Greenbusch Road Paving	g and Drainage Phase II					
4	Name of Interested Darks	City State County (alone	• h:	Nature of interest			
	Name of Interested Party	City, State, Country (place o	r business)	(check applicable) Controlling Intermedia			
Pack	er, Gayle	Olathe, KS United States		X			
Ande	erson, Timothy	Phoenix, AZ United States	5	х			
Cobb	o, Harold	Houston, TX United State:	6	Х			
Robe	erts, Jeffrey	Houston, TX United State:	5	X			
Sanc	ler, Jason	Cincinnati, OH United Sta	tes	X			
Zaml	oo, Vanessa	Olathe, KS United States		X			
5 CI	neck only if there is NO Interested Party.						
6 UN	NSWORN DECLARATION						
My	y name is	, and my	date of birth i	s			
My	/ address is			,	,		
	(street)	(city)	(state)	(zip code)	(country)		
Ιc	leclare under penalty of perjury that the foregoing is true and co	orrect.					
E	cecuted inCo	ounty, State of,	on the				
				(month)	(year)		
		Signature of authorized agen (Declarar		ng business entity			