

CONTRACT AMENDMENT NO. 1
TO
WILLIAMSON COUNTY CONTRACT FOR
ENGINEERING SERVICES

This Contract Amendment No. 1 to Williamson County Contract for Engineering Services (“Amendment No. 1 ”) is by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and Rodriguez Engineering Laboratories LLC (the “Engineer”).

RECITALS

WHEREAS, the County and the Engineer previously executed that certain Contract for Engineering Services (the “Contract”), being dated effective April 21, 2020 wherein Engineer agreed to perform certain professional engineering services in connection with the On Call Materials Testing & Geotechnical Engineering Services (“Project”);

WHEREAS, it has become necessary to supplement, modify and amend the Contract in accordance with the provisions thereof.

AGREEMENT

NOW, THEREFORE, premises considered, the County and the Engineer agree that the Contract is supplemented, amended and modified as follows:

I. Amendment to Exhibit D - Rate Schedule

Pursuant to the CPI Rate Adjustments provisions set forth in the original Rate Schedule of the Contract, County and Engineer hereby agree the Rate Schedule attached hereto as Attachment 1 shall supplant and replace the current Rate Schedule and become effective as of the last party’s execution below.

II. Terms of Contract Control and Extent of Amendment No. _____

All other terms of the Contract and any prior amendments thereto which have not been specifically amended herein shall remain the same and shall continue in full force and effect.

III. IN WITNESS WHEREOF, the County and the Engineer have executed this Amendment No. 1, in duplicate, to be effective as of the date of the last party's execution below.

Engineer:

Rodriguez Engineering Laboratories LLC

By:  _____

Printed Name: Jose Melendez, P.E.

Title: Laboratory Engineer

Date: February 1, 2022

COUNTY:

Williamson County, Texas

By: _____

Printed Name: Bill Gravel, Jr.

Title: County Judge

Date: _____, 2022

Attachment 1

Please see following pages.

EXHIBIT D

RATE SCHEDULE

CONSTRUCTION MATERIALS TESTING SERVICES					
Consultant Name: RODRIGUEZ ENGINEERING LABORATORIES LLC				UNIT	RATES
1. Testing of Soils and Base Materials					
1.1 Field Soil Density					
1.1.1	Trip Charge (round-trip from REL Austin) (Vehicle or Mileage is not Included)			Per hr	\$65.61
1.1.2	Field Tech Time (on-site only, 2-hour minimum)			Per hr	\$65.61
1.1.3	Field Nuclear Density Test			Per ea	\$44.83
1.1.4	Field Density by Sand Cone Method (ASTM D1556)			Per ea	\$60.14
1.2 Bulk Sample Pick-Up					
1.2.1	Trip Charge (round-trip from REL Austin) (Vehicle or Mileage is not Included)			Per hr	\$65.61
1.3 Laboratory Moisture Density Relationship					
1.3.1	Trip Charge (round-trip from REL Austin) (Vehicle or Mileage is not Included)			Per hr	\$65.61
1.3.2	Field Tech Time (on-site only, 2-hour minimum)			Per hr	\$65.61
1.3.3	Moisture Density Relationship of Soil-Cement (ASTM D 558)			Per ea	\$300.69
1.3.4	Moisture Density Relationship (ASTM D 698) Standard Proctor Compaction Test			Per ea	\$300.69
1.3.5	Moisture Density Relationship (ASTM D 1557) (Modified Proctor Compaction Test)			Per ea	\$300.69
1.3.6	Moisture Density Relationship (TEX-113-E) Compaction Test			Per ea	\$300.69
1.3.7	Moisture Density Relationship (TEX-114-E, Part I) Compaction Test			Per ea	\$300.69
1.3.8	Moisture Density Relationship (TEX-114-E, Part II) Compaction Test			Per ea	\$336.78
1.4 Laboratory Testing of Soils					
1.4.1	Atterberg Limits (Liquid and Plastic Limits) (TEX-104-E, TEX-105-E, TEX-106-E)			Per ea	\$85.29
1.4.2	Bar Linear Shrinkage of Soils (TEX-107-E)			Per ea	\$72.17
1.4.3	CBR of Laboratory-Compacted Soils (ASTM D1883)			Per ea	\$541.25
	1.4.3.1	Each Additional Point		Per ea	\$180.42
1.4.4	Depth Check (Tex-140-E)			Per ea	\$21.87
1.4.5	Dry Unit Weight Test of Soils			Per ea	\$41.55
1.4.6	Field Gradation of Lime Soil (1.75, 0.75, No 4 Sieve) (in addition to hourly charge)			Per point	\$24.06
1.4.7	Hydrometer Analysis (ASTM D422), (mechanical sieve analysis is not included)			Per ea	\$126.84
1.4.8	Lime Series Curve (ASTM D 4318)			Per point	\$111.53
1.4.9	Natural Moisture Content			Per ea	\$24.60
1.4.10	Organic Content of Soils (Tex-148-E)			Per ea	\$202.29
1.4.11	Percent Passing No. 200 Sieve (TEX-111-E)			Per ea	\$55.77
1.4.12	PVR (Tex-124-E), testing is not included			Per ea	\$124.65
1.4.13	Resistivity of Soils (TEX-129-E)			Per ea	\$119.18
1.4.14	Sample Preparation (TEX-101-E)			Per ea	\$82.01
1.4.15	Sample Remolding			Per hr	\$65.61
1.4.16	Sieve Analysis (TEX-110-E)			Per ea	\$85.29
1.4.17	Shrinkage (Volumetric) (ASTM D427, ASTM D4943)			Per ea	\$88.57
1.4.18	Soil Cement or Lime Compression Test (TEX-120-E, TEX-121-E)			Per ea	\$89.66
1.4.19	Soil pH (Tex-128-E)			Per ea	\$71.07
1.4.20	Soil Specific Gravity (TEX-108-E)			Per ea	\$80.91
1.4.21	Stabilization Ability of Lime by Soil PH (TEX-121-E Part III) up to 6 points			Per ea	\$303.98
1.4.22	Sulfate Content (Tex-145-E)			Per ea	\$114.81
1.4.23	Texture Depth by Sand Patch (Tex-436-A)			Per ea	\$71.07
1.4.24	Unconfined Compression Test - Cohesive Soils (ASTM D2166)			Per ea	\$63.42
1.4.25	Unconfined Compression Test - Rock (ASTM D2938)			Per ea	\$88.57
1.5 Texas Triaxial Compression Test on Base Material TEX-117E, Part II, including the following:					
1.5.1	Molding, Curing, and Testing 9 Specimens			Per ea	\$1,525.34
1.5.2	Atterberg Limits (Liquid and Plastic Limits) (TEX-104-E, TEX-105-E, TEX-106-E)			Per ea	\$85.29
1.5.3	Bar Linear Shrinkage of Soils (TEX-107-E)			Per ea	\$72.17
1.5.4	Percent Passing No. 200 Sieve (TEX-111-E)			Per ea	\$55.77

EXHIBIT D

RATE SCHEDULE

CONSTRUCTION MATERIALS TESTING SERVICES					
Consultant Name: RODRIGUEZ ENGINEERING LABORATORIES LLC				UNIT	RATES
	1.5.5	Sample Preparation (TEX-101-E)		Per ea	\$82.01
	1.5.6	Sieve Analysis (TEX-110-E)		Per ea	\$85.29
	1.5.7	Wet Ball Mill (TEX-116-E)		Per ea	\$264.61
	1.6	Report of Soil Test Results (includes clerical, engineering review/seal, etc.)		Per ea	\$90.76
2. Testing of Concrete and Aggregates					
	2.1	Concrete Cylinder			
	2.1.1	Trip Charge (round-trip from REL Austin) (Vehicle or Mileage is not Included)		Per hr	\$65.61
	2.1.2	Field Tech Time (on-site only, 2-hour minimum)		Per hr	\$65.61
	2.1.3	Cylinder Charge (per each)		Per ea	\$31.71
	2.2	Concrete Coring			
	2.2.1	Trip Charge (round-trip from REL Austin) (Vehicle or Mileage is not Included)		Per hr	\$65.61
	2.2.2	Field Tech Time (on-site only, 2-hour minimum)		Per hr	\$65.61
	2.2.3	Concrete Coring Equipment Charge		Per hr	\$45.92
	2.2.4	Core Bit Surcharge (in addition to base equipment charge)			
		2.2.4.1 - 3-inch diameter core		Per inch	\$5.47
		2.2.4.2 - 4-inch diameter core		Per inch	\$7.11
		2.2.4.3 - 6-inch diameter core		Per inch	\$9.35
	2.2.5	Concrete Core Strength Testing, Includes Core Curing and Preparation		Per ea	\$78.73
	2.3	Laboratory Testing of Concrete and Aggregates			
	2.3.1	Abrasion Test (TEX-410-A)		Per ea	\$289.76
	2.3.2	Absorption of Aggregate		Per ea	\$43.74
	2.3.3	Aggregate Gradation Analysis (TEX-200-F)		Per ea	\$85.29
	2.3.4	Beam Flexural Strength (TEX 448-A)		Per ea	\$47.02
	2.3.5	Coarse Aggregate Angularity		Per ea	\$89.66
	2.3.6	Crushed Face Count (TEX-460-A)		Per ea	\$90.76
	2.3.7	Decantation (Tex-406-E)		Per ea	\$40.46
	2.3.8	Deleterious Materials (Clay Lumps/Friable Part I) Mineral Aggregate (Tex-413-A)		Per ea	\$79.82
	2.3.9	Fine Aggregate Angularity		Per ea	\$89.66
	2.3.10	Fineness Modulus of Fine Aggregate (Tex-402-A)		Per ea	\$49.20
	2.3.11	Flat, Elongated Particles (ASTM D4791)		Per ea	\$89.66
	2.3.12	Micro Deval Abrasion (TEX-461-A)		Per ea	\$267.89
	2.3.13	Organic Impurities in Fine Aggregate (Tex-408-A)		Per ea	\$61.23
	2.3.14	Pavement Thickness by Direct Measurement (Tex-423-A)		Per ea	\$32.80
	2.3.15	Sand Equivalent (Clay Content) (Tex-203-F)		Per ea	\$103.88
	2.3.16	Sieve Analysis of Fine and Coarse Aggregate (Tex-401-A)		Per ea	\$85.29
	2.3.17	Soundness, Sodium, or Magnesium (ASTM C88, Tex-411-A)		Per ea	\$426.44
	2.3.18	Specific Gravity of Aggregate		Per ea	\$65.61
	2.3.19	Splitting Tensile Strength of Cylindrical Concrete Specimen (ASTM C496)		Per ea	\$47.02
	2.3.20	Thickness of Concrete Cylinders or CTB Cores (ASTM C174)		Per ea	\$21.87
	2.3.21	Unit Weight of Aggregate		Per ea	\$43.74
	2.3.22	Unit weight of Concrete Specimens by Measurements		Per ea	\$16.40
	2.4	Report of Concrete Test Results (includes clerical, engineering review/seal, etc.)		Per ea	\$90.76
3. Testing of HMAc and Liquid Asphalt					
	3.1	HMAc Field Testing and Sample Pick-up			
	3.1.1	Trip Charge (round-trip from REL Austin) (Vehicle or Mileage is not Included)		Per hr	\$65.61
	3.1.2	Trip Charge (round-trip from REL Austin) (Vehicle or Mileage is not Included)		Per hr	\$65.61
	3.1.3	Field Tech Time (on-site only, 2-hour minimum)		Per hr	\$65.61
	3.1.4	Longitudinal Joint Density with Density Gauge (Tex-207-F, VII) (Plus Tech time)		Per ea	\$85.29

EXHIBIT D

RATE SCHEDULE

CONSTRUCTION MATERIALS TESTING SERVICES				
Consultant Name: RODRIGUEZ ENGINEERING LABORATORIES LLC			UNIT	RATES
3.1.5	Mat Segregation with Density Gauge (Tex-207-F, Part V) (Plus Tech time)		Per ea	\$85.29
3.1.6	Pavement Thickness Determination (Tex-140-E)(Plus Tech time)		Per ea	\$21.87
3.1.7	Thermal Profile (Tex-244-F)(Plus Tech time)		Per ea	\$191.35
3.2 Laboratory Testing of HMAC				
3.2.1	Asphalt Content by Extraction (TEX-210-F, T164)		Per ea	\$183.70
3.2.2	Asphalt Content by Ignition Method (Tex-236-F)		Per ea	\$196.82
3.2.3	Boiling Stripping Test (TEX-530-C)		Per ea	\$120.28
3.2.4	Bulk Density of Compacted Specimens (TEX-207-F, Part I) (2 or 3 per set)		Per ea	\$67.79
3.2.5	Cantabro Loss (TEX-245-F) (Molding is not included)		Per ea	\$122.46
3.2.6	Extraction (Gradation & Asphalt Content) (Tex-200-F, Tex-210-F, D2172, T164)		Per ea	\$159.64
3.2.7	Gradation of Aggregate from Extraction or Ignition (TEX-200-F)		Per ea	\$85.29
3.2.8	Hamburg Wheel Tracker (TEX-242-F) (Includes Molding)		Per ea	\$618.88
3.2.9	Hamburg Wheel Tracker (TEX-242-F) (Molded by Client)		Per ea	\$431.91
3.2.10	Hveem Stability (TEX-208-F) (3 per set)		Per ea	\$67.79
3.2.11	Indirect Tensile Strength (TEX-226-F) (Molding is not included)		Per ea	\$79.82
3.2.12	Maximum Theoretical Specific Gravity, Rice Method (Tex 227-F)			
	3.2.12.1 - Bag Sample		Per ea	\$61.23
	3.2.12.2 - Core Sample		Per ea	\$72.17
3.2.13	Sand Equivalent (Clay Content) (Tex-203-F)		Per ea	\$103.88
3.2.14	Specific Gravity, Bulk Core		Per ea	\$29.52
3.2.15	Specific Gravity, Bulk Core (Vacuum Method)		Per ea	\$67.79
3.2.16	Specimen Molding, Bulk Density, and Stability (3 per set) (Tex-206-F, 207-F, 208-F)		Per ea	\$203.38
3.2.17	Specimen Molding by SGC (TEX-241-F) (2 per set)		Per ea	\$92.94
3.2.18	Specimen Molding by TGC (TEX-206-F) (3 per set)		Per ea	\$67.79
3.2.19	Thickness of HMAC cores by Direct Measurement		Per ea	\$14.21
3.3 HMAC Coring				
3.3.1	Trip Charge (round-trip from REL Austin) (Vehicle or Mileage is not Included)		Per hr	\$65.61
3.3.2	Field Tech time (on-site only, 2-hour minimum)		Per hr	\$65.61
3.3.3	Core, per inch thickness			
	3.3.3.1 - 0"-6" depth @ 6"Ø (includes patching and sample prep.)		Per ea	\$107.16
	3.3.3.2 - > 6"-10" depth @ 6"Ø (includes patching and sample prep.)		Per ea	\$118.64
	3.3.3.3 - > 10"-14" depth @ 6"Ø (includes patching and sample prep.)		Per ea	\$153.08
	3.3.3.4 - >14" depth @ 6"Ø (includes patching and sample prep.)		Per ea	\$153.08
	3.3.3.5 - Per inch beyond 14" depth @ 6"Ø (includes patching and sample prep.)		Per inch	\$6.56
3.4 Laboratory Testing of Liquid Asphalt and Emulsions				
3.4.1	Abson Recovery (Extraction using Solvent is not Included)		Per ea	\$262.42
3.4.2	Breaking Index (Asphalt Emulsions)		Per ea	\$102.78
3.4.3	Cement Mix		Per ea	\$77.63
3.4.4	Demulsibility (Anionic or Cationic Emulsions)		Per ea	\$77.63
3.4.5	Density of Emulsified Asphalt		Per ea	\$77.63
3.4.6	Ductility of Bituminous Materials		Per ea	\$110.44
3.4.7	Elastic Recovery Test		Per ea	\$89.66
3.4.8	Float Test For Bituminous Materials		Per ea	\$89.66
3.4.9	Kinematic Viscosity of Cut-Back Asphalt		Per ea	\$110.44
3.4.10	Penetration of Bituminous Materials		Per ea	\$68.89
3.4.11	Residue by Distillation (Cutback or Emulsified Asphalts)		Per ea	\$161.83
3.4.12	Residue by Evaporation		Per ea	\$161.83
3.4.13	Saybolt Viscosity of Emulsified Asphalt at 25°C (77°F)		Per ea	\$68.89
3.4.14	Saybolt Viscosity of Emulsified Asphalt at 50°C (122°F)		Per ea	\$68.89
3.4.15	Sieve Test of Emulsified Asphalt		Per ea	\$48.11
3.4.16	Softening Point of Bitumen (Ring-and-Ball)		Per ea	\$110.44

EXHIBIT D

RATE SCHEDULE

CONSTRUCTION MATERIALS TESTING SERVICES				
Consultant Name: RODRIGUEZ ENGINEERING LABORATORIES LLC			UNIT	RATES
3.4.17	Storage Stability (24 Hrs)		Per ea	\$120.28
3.4.18	Specific Gravity of Emulsified Asphalt		Per ea	\$74.35
3.5	Report of Asphalt Test Results (includes clerical, engineering review/seal, etc.)		Per ea	\$90.76
4. Field Testing Equipment				
4.1 Vehicle				
4.1.1	Within City of Austin ETJ, within 50 miles (one-way) from REL		Per trip	\$62.33
4.2 Falling Heavy Weight Deflectometer (FWD) Testing				
4.2.1	FWD Field Data Collection (Equipment and Operator)(8 hr/day maximum)		Per day	\$2,700.00
4.2.2	FWD Equipment (Mobilization/Demobilization)		Per ea	\$225.00
4.2.3	FWD Operator (Mobilization/Demobilization)		Per hr	\$94.04
4.3 High Speed Inertial Profiler (IRI) Testing				
4.3.1	IRI Field Data Collection (Equipment Only)(8 hr/day maximum)		Per day	\$400.00
4.3.2	IRI Equipment (Mobilization/Demobilization) (within 50 miles from REL)		Per trip	\$62.33
4.3.3	IRI Operator (Portal-to-Portal from REL)(4 hr minimum)		Per hr	\$82.01
5. Engineering Consultation				
5.1	Principal		Per hr	\$252.58
5.2	Project Manager/Professional Engineer		Per hr	\$161.83
5.3	Project Engineer		Per hr	\$125.75
5.4	Graduate Engineer		Per hr	\$94.04
5.5	Senior Engineering Technician		Per hr	\$82.01
5.6	Engineering Technician (Asphalt, Concrete, Soils, etc.)		Per hr	\$65.61
5.7	Clerical		Per hr	\$52.48

NOTES:

1. Minimum call-out charge for technician and equipment is 2 hours. Charges are accrued portal to portal.
2. The density test unit rate is based on a minimum of 3 tests per trip.
3. Transportation charges are applicable for all field testing assignments including sample pick up. But, if the technician is already at the job site, there is no sample pick up charges.
4. Subconsultants' fees shall be approved previous to work beginning.
5. Trip charge refers to the labor for the Engineering Technician to drive to site. This is charged hourly. Vehicle charges refer to cost of vehicle associated with the trip.