

# EXHIBIT "F"

## Supplemental Agreement Form

THE STATE OF TEXAS    §  
  §  
COUNTY OF HIDALGO   §

### SUPPLEMENTAL AGREEMENT NO. 1 TO AGREEMENT FOR PROFESSIONAL SERVICES

This SUPPLEMENTAL AGREEMENT is made pursuant to the terms and conditions of Article 8 of the Agreement made by and between HIDALGO COUNTY, acting herein by and through the Commissioner's Court, hereinafter called the "Owner", and L&G Consulting Engineers Inc. d/b/a L&G Engineering, Professional Engineers of, Mercedes, Texas, hereinafter called "Engineer".

WITNESSETH

WHEREAS, the Owner and the Engineer executed the Agreement on the 15 day of December 2015 concerning engineering for "FM 676 (Mile5) from SH 107 (Conway) to Taylor Road" project for Hidalgo County Precinct No. 3 hereinafter referred to as the "Project"; and,

WHEREAS, Article 5 of the Agreement, Compensation and Fees, establishes an outline and breakdown of the Service Fee more particularly identified in EXHIBIT "D"- Contract Rates, attached hereto and made a part of this agreement; and,

WHEREAS, it has become necessary to amend the contract "EXHIBIT D" - Contract Rates,

#### A. AGREEMENT

NOW THEREFORE, premises considered, the Owner and the Engineer agree that said Agreement is amended as follows:

- I. Article 5 of the Agreement, Compensation and Fees, is revised to "EXHIBIT D" Contract Rates - Audited Overhead Rate FY 2018

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All other provisions are unchanged and remain in full force and effect.

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IN WITNESS WHEREOF, the Engineer and the Owner have caused this Supplemental Agreement to the Agreement for Professional Services to be executed as of the \_\_\_\_\_ day of \_\_\_\_\_, 2019.

# EXHIBIT "F"

## Supplemental Agreement Form

THE ENGINEER:  
ENGINEER

BY: \_\_\_\_\_

Jacinto Garza P.E. / President

THE OWNER:  
HIDALGO COUNTY


BY: \_\_\_\_\_

Richard F. Cortez,  
County Judge

### LIST OF ATTACHMENTS

- EXHIBIT A – Scope of Services to be provided by the Owner (Omitted)
- EXHIBIT B – Scope of Services to be provided by the Engineer (Omitted)
- EXHIBIT C – Work Schedule (Omitted)
- EXHIBIT D – Contract Rates
- EXHIBIT D-1 – Estimated Project Fee Schedule (Omitted)
- EXHIBIT E – Sample Work Authorization Form (Omitted)
- EXHIBIT F – Sample Supplemental Agreement Form (Omitted)
- EXHIBIT G – Certificate of Insurance (Omitted)

## EXHIBIT "D" CONTRACT RATES

		
Audited Overhead Rate FY 2018		
Labor/Staff Classification	Hourly Base Rate	Contract Rate FY 19
Senior Project Manager	\$ 83.00	\$ 274.73
Right-of-Way Administrator	\$ 68.00	\$ 225.08
Engineer - Senior Engineer	\$ 65.00	\$ 215.15
Geotechnical Engineer	\$ 62.00	\$ 205.22
Senior Environmental Scientist / Specialist	\$ 59.00	\$ 195.29
Engineer - Project Engineer	\$ 56.00	\$ 185.36
Right-of-Way Negotiator	\$ 43.00	\$ 142.33
Senior Engineer Tech	\$ 40.00	\$ 132.40
Engineering Lab Manager	\$ 40.00	\$ 132.40
Utility Coordinator	\$ 38.00	\$ 125.78
Senior Project Inspector	\$ 38.00	\$ 125.78
Record Keeper	\$ 30.00	\$ 99.30
Project Inspector	\$ 30.00	\$ 99.30
Environmental Planner/Specialist	\$ 29.00	\$ 95.99
Engineering Tech / GIS	\$ 27.00	\$ 89.37
Admin/Clerical	\$ 20.00	\$ 66.20
Soil & Aggregate Technician	\$ 20.00	\$ 66.20
Concrete Technician	\$ 20.00	\$ 66.20
Asphalt Technician	\$ 20.00	\$ 66.20
Negotiated Overhead Rate: 195.56%	Negotiated Profit Rate: 12.00%	Contract Rates include labor, overhead and profit. All rates are negotiated rates and are not subject to change or adjustment.
Multiplier: 3.31		
<b>Other Direct Expenses:</b>		
Lodging		\$94/night
Meals		\$55/day
Mileage		\$0.58/mile
Car Rental		\$75.00/day
8 1/2" X 11" copies (B&W)		\$.50/ea
11" X 17" copies (B&W)		\$.75/ea
11" X 17" Mylar		\$2.00/ea
Overnight Mail - Letter Size		\$15.00/Each
Overnight Mail - Oversized Box		\$38.00/Each
Air Travel		At Cost

**CONTRACT RATES**
**GEOTECHNICAL & CONSTRUCTION MATERIALS TESTING SERVICES**
**Direct Expenses**
**Geotechnical Field Services**

Mobilization (Drill Rig and Crew)	<b>2019</b> \$468.56/Day
Stand-By Time	\$206.01/Hr
Texas Cone Penetration Test (Tex-132)	\$5.89/Ea.
Soil Boring / Solid Stem	\$32.97/Lf
Soil Boring / Hollow Stem	\$32.97/Lf
Soil Boring / Mud Rotary	\$32.97/Lf
Support Truck	\$1.75/Mi.
Piezometer / Monitoring Well	<b>By Quote</b>

**Soil Testing**

Moisture Content Determination - ASTM D2216/Tex-103-E	<b>2019</b> \$11.20/Ea.
Determination of Liquid Limit of Soils - Tex-104-E	\$56.38/Ea.
Determination of Plastic Limit of Soils - Tex-105-E	\$56.62/Ea.
Atterberg Limits of Soils - ASTM D 4318/Tex-106-E	\$84.51/Ea.
Bar Linear Shrinkage of Soils - Tex-107-E	\$70.51/Ea.
Particle Size Analysis of Soils (Gradation) - ASTM D 422/Tex-110-E	\$101.59/Ea.
Material Finer #200 Sieve - ASTM D 1140/Tex-111-E	\$70.51/Ea.
Lime Series Testing (PI Relation) - Tex-112-E	\$507.07/Ea.
Lime Series Testing (pH Relation) - Tex-121-E (Part III)	\$549.97/Ea.
Moisture-Density Relationship (TxDOT) - Tex-113-E /Tex-114-E	\$225.54/Ea.
Standard Proctor - ASTM D 698	\$218.35/Ea.
Standard Proctor Soil-Cement - ASTM D 558	\$257.50/Ea.
Modified Proctor - ASTM D 1557	\$225.45/Ea.
Field Density Test (Nuclear) - ASTM D 6938/Tex-115-E	\$25.37/Ea.
Compressive Strength Soil-Cement Cyl. - ASTM D 1633 (Method A)	\$87.55/Ea.
Determination of Soil pH - Tex-128-E	\$91.66/Ea.
Soil-Lime Testing - Tex-121-E (Part I)	\$169.15/Ea.
Resistivity of Soils - Tex-129-E	\$102.54/Ea.
Sulfate Content of Soils - Tex-145-E	\$91.66/Ea.
Texas Wet Ball Mill (Material Quality) - Tex-116-E	\$246.72/Ea.
Triaxial Compression (Dist. Soil & Base) - Tex-117-E	\$371.32/Ea.
Unconfined Compression-Soil - ASTM D 2166	\$52.99/Ea.
Uniaxial Compression-Rock - ASTM D 7012	\$56.52/Ea.
Consolidation Test - ASTM D 2435	\$553.27/Ea.
Organic Content - ASTM D 2974 (Method C)	\$87.55/Ea.
Dispersive Characteristics of Soil (Double Hydrometer) - ASTM D4221	\$154.50/Ea.
Dispersive Characteristics of Soil (Crumb Test) - ASTM D6572	\$56.55/Ea.
Classification Of Dispersive Clay (Pinhole Test) - ASTM D4647	\$154.50/Ea.

**Coarse & Fine Aggregate Quality Testing**

Sieve Analysis (Dry)(4 Sieves) - ASTM C 136/Tex-200-F	<b>2019</b> \$63.37/Ea.
Sieve Analysis (Washed)(4 Sieve) - ASTM C 136/Tex-200-F	\$76.67/Ea.
Sieve Analysis (Conc. Aggregate)(5 Sieve) - Tex-401-A	\$90.18/Ea.
Sieve Analysis (Additional Sieves) - All Methods	\$14.12/Ea.
Deleterious Material (Coarse Aggr.) - Tex-217-F (Part I)	\$49.34/Ea.
Deleterious Material (Concrete Aggr.) - Tex-413-A	\$49.34/Ea.
Decantation (Coarse Aggr.) - Tex-217-F (Part II)	\$49.34/Ea.
Decantation Test (Fine Aggr. - Conc.) - ASTM C 117/Tex-406-A	\$49.34/Ea.
Specific Gravity/Absorp. (Conc. Aggr) - ASTM C127/Tex-403-A	\$77.44/Ea.
L.A. Abrasion - ASTM C131/ Tex-410-A	\$598.93/Ea.
Soundness (5 Cycle Magnesium Sulfate) - ASTM C 88/Tex-411-A	\$598.93/Ea.
SSD Unit Weight of Aggregates - ASTM C29/Tex-404-A	\$70.51/Ea.
Percent Voids/Solids in Conc. Aggr. - Tex-405-A	\$14.06/Ea.

## CONTRACT RATES

\*(In Conjunction w/ SSD Unit Wt of Aggregates)

Sand Equivalent - ASTM D 2419/Tex-203-F	\$77.44/Ea.
Specific Gravity / Absorption (Fine Aggr.) - ASTM C 128/Tex -403-A	\$84.52/Ea.
Organic Impurities in Fine Aggregate -ASTM C 87/Tex -408-A	\$49.34/Ea.
Fineness Modulus of Fine Aggregate - Tex-402-A	\$16.92/Ea.
Flat & Elongated Particles (Coarse Aggr.) - Tex-280-F	\$63.65/Ea.
Coarse Aggr. Crushed Face (Coarse Aggr.) - Tex-460-A (Part I)	\$84.87/Ea.
Acid Insoluble of Fine Aggregate - Tex-612-J	\$91.66/Ea.

### Pavement Testing (Mix & Roadway) / Asphalt Quality

Sieve Analysis (Paving Mix Gradation) - Tex-236-F/Tex-200-F	<b>2019</b> \$95.48/Ea.
Asphalt Content - Tex-236-F	\$95.48/Ea.
Voids in Mineral Aggr. (VMA) - Tex-207-F	\$116.70/Ea.
Boil Test (Effect of Water on Paving Mix) - Tex-530-C/Tex-531-C	\$91.66/Ea.
Indirect Tensile Strength Test - Tex-226-F	\$636.54/Ea.
Moisture Content (Paving Mix) - Tex-212-F (Part II)	\$15.91/Ea.
Lab Molded Density - Tex-207-F	\$84.87/Ea.
Hamburg Wheel Tracker - Tex-242-F	\$954.81/Ea.
Field Coring – ACP Thickness - ASTM D 3549	\$70.51/Ea.
Pavement Thickness Det. (Full Depth) - ASTM D 3549	\$93.83/Ea.
Density of Cores (4 or 6 inch) (Set of 2) - Tex-207-F	\$77.49/Ea.
In-Place Air Voids - Tex-207-F	\$26.52/Ea.
Maximum Theoretical SPG (Rice Gravity) - Tex-227-F	\$95.48/Ea.
Extraction/Sieve Analysis/Asphalt Content - Tex-210-F/Tex-200-F	\$246.63/Ea.
Asphalt Rolling Pattern (Nuclear Method) - Tex-207-F (Part IV)	\$42.29/Ea.
Segregation Profile - Tex-207-F (Part V)	\$318.27/Ea.
Joint Density - Tex-207-F (Part VII)	\$318.27/Ea.
Tack Coat Adhesion - Tex-243-F	\$106.09/Ea.
Thermal Profile - Tex-244-F	\$185.66/Ea.
Ride Quality - Tex-1001-S	<b>By Quote</b>

### 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	\$528.41/Ea.
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### Concrete/Masonry Field & Laboratory Testing

Temperature Test (Fresh Mix Conc.) – ASTM C 1064/Tex-422-A	<b>2019</b> No Charge
Slump Test - ASTM C 143/Tex-415-A	No Charge
Air Content (Pressure Method) - ASTM C 231/Tex-416-A	\$25.32/Ea.
Air Content (Volumetric) - ASTM C 173	\$28.18/Ea.
Casting of Concrete Cylinders - ASTM C 31/Tex-447-A	No Charge
Cylindrical Specimen Prep./Hold/Cure - ASTM C 192/ Tex-447-A	\$12.73/Ea.
Compressive Strength of Cyl. Specimen - ASTM C 39/Tex-418-A	\$16.89/Ea.
Casting of Grout Prisms - ASTM C 1019	No Charge
Grout Prism Prep./Cure/Comp. Strength - ASTM C 39	\$35.26/Ea.
Casting of Mortar Cubes - ASTM C 780	No Charge
Mortar Cube Prep./Cure/Comp. Strength - ASTM C 109	\$34.45/Ea.
Masonry Unit Prep. /Comp. Str. (Set of 3) - ASTM C 140	\$246.56/Ea.
Masonry Unit SPG/Abs./Unit Wt. (Set of 3) - ASTM C 140	\$246.56/Ea.
*(In Conjunction w/ Field Inspection)	

### Miscellaneous Testing

Drilled Shaft Slurry Density - Tex-130-E (Part II)	<b>2019</b> \$26.52/Ea.
Drilled Shaft Slurry Sand Content - Tex-130-E (Part III)	\$21.22/Ea.
Drilled Shaft Slurry Viscosity - Tex-130-E (Part IV)	\$26.53/Ea.

### Engineering Review, Evaluation, Management & Administration

Test Report	<b>2019</b> \$25.03/Ea.
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## CONTRACT RATES

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.

All other project specific, third-party costs will be charged at cost plus 10 percent.