

## EXHIBIT "F"

### Supplemental Agreement Form

THE STATE OF TEXAS    §  
  §  
COUNTY OF HIDALGO   §

### SUPPLEMENTAL AGREEMENT NO. 1 TO AGREEMENT FOR PROFESSIONAL SERVICES C-12-126-10-16

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 16th day of October, 2012 concerning professional engineering services required for the 10<sup>th</sup> Street Extension (from SH 107 to FM 1925) project in Hidalgo County Precinct No. 4 hereinafter referred to as the project; and,

WHEREAS, Article 5, Section 5.2 of the Agreement, Compensation and Fees, Special Services, establishes the Exhibit D - Contract Rates of this agreement; and,

WHEREAS, it has become necessary to amend the Agreement to include the 2017 Contract Rates as identified in Exhibit D - Contract Rates.

#### A. AGREEMENT

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

- I. Section of the Agreement, Article 5. Compensation and Fees, 5.2 Special Services of the Agreement is amended as follows:

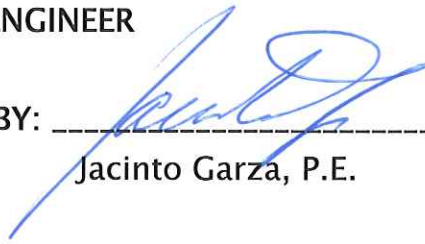
*Agreement is hereby amended to include the 2017 Contract Rates as identified in the attached Exhibit D - Contract Rates of this Agreement.*

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

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 \_\_\_\_\_, 2017.

**THE ENGINEER:  
ENGINEER**

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



Jacinto Garza, P.E.

**THE OWNER:  
HIDALGO COUNTY**

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

Ramon Garcia, County Judge

## EXHIBIT "D" CONTRACT RATES



Audited Overhead Rate FY 2016			
Labor/Staff Classification	Hourly Base Rate	Contract Rate FY 17	Contract Rate *FY 18
Senior Project Manager	\$ 70.00	\$ 203.70	\$ 209.81
Engineer - Senior Engineer	\$ 58.00	\$ 168.78	\$ 173.84
Geotechnical Engineer	\$ 60.00	\$ 174.60	\$ 179.84
Senior Environmental Scientist / Specialist	\$ 56.00	\$ 162.96	\$ 167.85
Engineer - Project Engineer	\$ 45.00	\$ 130.95	\$ 134.88
Right-of-Way Administrator	\$ 44.00	\$ 128.04	\$ 131.88
Senior Project Inspector	\$ 28.00	\$ 81.48	\$ 83.92
Senior Engineer Tech	\$ 32.00	\$ 93.12	\$ 95.91
Project Inspector	\$ 22.00	\$ 64.02	\$ 65.94
Engineering Lab Manager	\$ 37.00	\$ 107.67	\$ 110.90
Right-of-Way Negotiator	\$ 35.00	\$ 101.85	\$ 104.91
Record Keeper	\$ 27.00	\$ 78.57	\$ 80.93
CADD Operator / GIS Analyst	\$ 22.00	\$ 64.02	\$ 65.94
Environmental Planner/Specialist	\$ 28.00	\$ 81.48	\$ 83.92
Admin/Clerical	\$ 20.00	\$ 58.20	\$ 59.95
Soil & Aggregate Technician	\$ 18.00	\$ 52.38	\$ 53.95
Concrete Technician	\$ 18.00	\$ 52.38	\$ 53.95
Asphalt Technician	\$ 18.00	\$ 52.38	\$ 53.95
Negotiated Overhead Rate: 159.67%	Negotiated Profit Rate: 12.00%	Contract Rates include labor, overhead and profit.	
Multiplier: 2.91		* Base Contract Rates FY 17 increase by 3% per FY. Escalated 3% for future years and thereafter.	
<b>Other Direct Expenses:</b>	<b>Cost:</b>		
Lodging		\$85/night	
Meals		\$36/day	
Mileage		\$0.54/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	

JG Approved 8/3/2017  
Page 1 of 4

**CONTRACT RATES**  
**GEOTECHNICAL & CONSTRUCTION MATERIALS TESTING SERVICES**  
**Direct Expenses**

**Geotechnical Field Services**

	<u>2017</u>	<u>*2018</u>
Mobilization (Drill Rig and Crew)	\$454.91/Day	\$468.56/Day
Stand-By Time	\$200.01/Hr	\$206.01/Hr
Texas Cone Penetration Test (Tex-132)	\$5.72/Ea.	\$5.89/Ea.
Soil Boring / Solid Stem	\$32.01/Lf	\$32.97/Lf
Soil Boring / Hollow Stem	\$32.01/Lf	\$32.97/Lf
Soil Boring / Mud Rotary	\$32.01/Lf	\$32.97/Lf
Support Truck	\$1.70/Mi.	\$1.75/Mi.
Piezometer / Monitoring Well	<b>By Quote</b>	<b>By Quote</b>

**Soil Testing**

	<u>2017</u>	<u>*2018</u>
Moisture Content Determination - ASTM D2216/Tex-103-E	\$10.87/Ea.	\$11.20/Ea.
Determination of Liquid Limit of Soils - Tex-104-E	\$54.74/Ea.	\$56.38/Ea.
Determination of Plastic Limit of Soils - Tex-105-E	\$54.97/Ea.	\$56.62/Ea.
Atterberg Limits of Soils - ASTM D 4318/Tex-106-E	\$82.05/Ea.	\$84.51/Ea.
Bar Linear Shrinkage of Soils - Tex-107-E	\$68.46/Ea.	\$70.51/Ea.
Particle Size Analysis of Soils (Gradation) - ASTM D 422/Tex-110-E	\$98.63/Ea.	\$101.59/Ea.
Material Finer #200 Sieve - ASTM D 1140/Tex-111-E	\$68.46/Ea.	\$70.51/Ea.
Lime Series Testing (PI Relation) - Tex-112-E	\$492.30/Ea.	\$507.07/Ea.
Lime Series Testing (pH Relation) - Tex-121-E (Part III)	\$533.95/Ea.	\$549.97/Ea.
Moisture-Density Relationship (TxDOT) - Tex-113-E /Tex-114-E	\$218.97/Ea.	\$225.54/Ea.
Standard Proctor - ASTM D 698	\$211.99/Ea.	\$218.35/Ea.
Standard Proctor Soil-Cement - ASTM D 558	\$250.00/Ea.	\$257.50/Ea.
Modified Proctor - ASTM D 1557	\$218.88/Ea.	\$225.45/Ea.
Field Density Test (Nuclear) - ASTM D 6938/Tex-115-E	\$24.63/Ea.	\$25.37/Ea.
Compressive Strength Soil-Cement Cyl. - ASTM D 1633 (Method A)	\$85.00/Ea.	\$87.55/Ea.
Determination of Soil pH - Tex-128-E	\$88.99/Ea.	\$91.66/Ea.
Soil-Lime Testing - Tex-121-E (Part I)	\$164.22/Ea.	\$169.15/Ea.
Resistivity of Soils - Tex-129-E	\$99.55/Ea.	\$102.54/Ea.
Sulfate Content of Soils - Tex-145-E	\$88.99/Ea.	\$91.66/Ea.
Texas Wet Ball Mill (Material Quality) - Tex-116-E	\$239.53/Ea.	\$246.72/Ea.
Triaxial Compression (Dist. Soil & Base) - Tex-117-E	\$360.50/Ea.	\$371.32/Ea.
Unconfined Compression-Soil - ASTM D 2166	\$51.45/Ea.	\$52.99/Ea.
Uniaxial Compression-Rock - ASTM D 7012	\$54.87/Ea.	\$56.52/Ea.
Consolidation Test - ASTM D 2435	\$537.16/Ea.	\$553.27/Ea.
Organic Content - ASTM D 2974 (Method C)	\$85.00/Ea.	\$87.55/Ea.
Dispersive Characteristics of Soil (Double Hydrometer) - ASTM D4221	\$150.00/Ea.	\$154.50/Ea.
Dispersive Characteristics of Soil (Crumb Test) - ASTM D6572	\$55.00/Ea.	\$56.55/Ea.
Classification Of Dispersive Clay (Pinhole Test) - ASTM D4647	\$150.00/Ea.	\$154.50/Ea.

**Coarse & Fine Aggregate Quality Testing**

	<u>2017</u>	<u>*2018</u>
Sieve Analysis (Dry)(4 Sieves) - ASTM C 136/Tex-200-F	\$61.52/Ea.	\$63.37/Ea.
Sieve Analysis (Washed)(4 Sieve) - ASTM C 136/Tex-200-F	\$74.44/Ea.	\$76.67/Ea.
Sieve Analysis (Conc. Aggregate)(5 Sieve) - Tex-401-A	\$87.55/Ea.	\$90.18/Ea.
Sieve Analysis (Additional Sieves) - All Methods	\$13.71/Ea.	\$14.12/Ea.
Deleterious Material (Coarse Aggr.) - Tex-217-F (Part I)	\$47.90/Ea.	\$49.34/Ea.
Deleterious Material (Concrete Aggr.) - Tex-413-A	\$47.90/Ea.	\$49.34/Ea.
Decantation (Coarse Aggr.) - Tex-217-F (Part II)	\$47.90/Ea.	\$49.34/Ea.
Decantation Test (Fine Aggr. - Conc.) - ASTM C 117/Tex-406-A	\$47.90/Ea.	\$49.34/Ea.
Specific Gravity/Absorp. (Conc. Aggr.) - ASTM C127/Tex-403-A	\$75.18/Ea.	\$77.44/Ea.
L.A. Abrasion - ASTM C131/ Tex-410-A	\$581.49/Ea.	\$598.93/Ea.
Soundness (5 Cycle Magnesium Sulfate) - ASTM C 88/Tex-411-A	\$581.49/Ea.	\$598.93/Ea.
SSD Unit Weight of Aggregates - ASTM C29/Tex-404-A	\$68.46/Ea.	\$70.51/Ea.
Percent Voids/Solids in Conc. Aggr. - Tex-405-A	\$13.65/Ea.	\$14.06/Ea.

## CONTRACT RATES

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

Sand Equivalent - ASTM D 2419/Tex-203-F	\$75.18/Ea.	\$77.44/Ea.
Specific Gravity / Absorption (Fine Aggr.) - ASTM C 128/Tex -403-A	\$82.06/Ea.	\$84.52/Ea.
Organic Impurities in Fine Aggregate -ASTM C 87/Tex -408-A	\$47.90/Ea.	\$49.34/Ea.
Fineness Modulus of Fine Aggregate - Tex-402-A	\$16.43/Ea.	\$16.92/Ea.
Flat & Elongated Particles (Coarse Aggr.) - Tex-280-F	\$61.80/Ea.	\$63.65/Ea.
Coarse Aggr. Crushed Face (Coarse Aggr.) - Tex-460-A (Part I)	\$82.40/Ea.	\$84.87/Ea.
Acid Insoluble of Fine Aggregate - Tex-612-J	\$88.99/Ea.	\$91.66/Ea.

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

	<u>2017</u>	<u>*2018</u>
Sieve Analysis (Paving Mix Gradation) - Tex-236-F/Tex-200-F	\$92.70/Ea.	\$95.48/Ea.
Asphalt Content - Tex-236-F	\$92.70/Ea.	\$95.48/Ea.
Voids in Mineral Aggr. (VMA) - Tex-207-F	\$113.30/Ea.	\$116.70/Ea.
Boil Test (Effect of Water on Paving Mix) - Tex-530-C/Tex-531-C	\$88.99/Ea.	\$91.66/Ea.
Indirect Tensile Strength Test - Tex-226-F	\$618.00/Ea.	\$636.54/Ea.
Moisture Content (Paving Mix) - Tex-212-F (Part II)	\$15.45/Ea.	\$15.91/Ea.
Lab Molded Density - Tex-207-F	\$82.40/Ea.	\$84.87/Ea.
Hamburg Wheel Tracker - Tex-242-F	\$927.00/Ea.	\$954.81/Ea.
Field Coring – ACP Thickness - ASTM D 3549	\$68.46/Ea.	\$70.51/Ea.
Pavement Thickness Det. (Full Depth) - ASTM D 3549	\$91.10/Ea.	\$93.83/Ea.
Density of Cores (4 or 6 inch) (Set of 2) - Tex-207-F	\$75.23/Ea.	\$77.49/Ea.
In-Place Air Voids - Tex-207-F	\$25.75/Ea.	\$26.52/Ea.
Maximum Theoretical SPG (Rice Gravity) - Tex-227-F	\$92.70/Ea.	\$95.48/Ea.
Extraction/Sieve Analysis/Asphalt Content - Tex-210-F/Tex-200-F	\$239.45/Ea.	\$246.63/Ea.
Asphalt Rolling Pattern (Nuclear Method) - Tex-207-F (Part IV)	\$41.06/Ea.	\$42.29/Ea.
Segregation Profile - Tex-207-F (Part V)	\$309.00/Ea.	\$318.27/Ea.
Joint Density - Tex-207-F (Part VII)	\$309.00/Ea.	\$318.27/Ea.
Tack Coat Adhesion - Tex-243-F	\$103.00/Ea.	\$106.09/Ea.
Thermal Profile - Tex-244-F	\$180.25/Ea.	\$185.66/Ea.
Ride Quality - Tex-1001-S	<b>By Quote</b>	<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	\$513.02/Ea.	\$528.41/Ea.
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### Concrete/Masonry Field & Laboratory Testing

	<u>2017</u>	<u>*2018</u>
Temperature Test (Fresh Mix Conc.) – ASTM C 1064/Tex-422-A	No Charge	No Charge
Slump Test - ASTM C 143/Tex-415-A	No Charge	No Charge
Air Content (Pressure Method) - ASTM C 231/Tex-416-A	\$24.58/Ea.	\$25.32/Ea.
Air Content (Volumetric) - ASTM C 173	\$27.36/Ea.	\$28.18/Ea.
Casting of Concrete Cylinders - ASTM C 31/Tex-447-A	No Charge	No Charge
Cylindrical Specimen Prep./Hold/Cure - ASTM C 192/ Tex-447-A	\$12.36/Ea.	\$12.73/Ea.
Compressive Strength of Cyl. Specimen - ASTM C 39/Tex-418-A	\$16.40/Ea.	\$16.89/Ea.
Casting of Grout Prisms - ASTM C 1019	No Charge	No Charge
Grout Prism Prep./Cure/Comp. Strength - ASTM C 39	\$34.23/Ea.	\$35.26/Ea.
Casting of Mortar Cubes - ASTM C 780	No Charge	No Charge
Mortar Cube Prep./Cure/Comp. Strength - ASTM C 109	\$33.45/Ea.	\$34.45/Ea.
Masonry Unit Prep. /Comp. Str. (Set of 3) - ASTM C 140	\$239.38/Ea.	\$246.56/Ea.
Masonry Unit SPG/Abs./Unit Wt. (Set of 3) - ASTM C 140	\$239.38/Ea.	\$246.56/Ea.

\*(In Conjunction w/ Field Inspection)

### Miscellaneous Testing

	<u>2017</u>	<u>*2018</u>
Drilled Shaft Slurry Density - Tex-130-E (Part II)	\$25.75/Ea.	\$26.52/Ea.
Drilled Shaft Slurry Sand Content - Tex-130-E (Part III)	\$20.60/Ea.	\$21.22/Ea.
Drilled Shaft Slurry Viscosity - Tex-130-E (Part IV)	\$25.76/Ea.	\$26.53/Ea.

### Engineering Review, Evaluation, Management & Administration

	<u>2017</u>	<u>*2018</u>
Test Report	\$24.30/Ea.	\$25.03/Ea.

## 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.

\* - 3% Escalation Rate per year added to future fiscal years