

## EXHIBIT "F"

### Supplemental Agreement Form

THE STATE OF TEXAS   §  
  §  
COUNTY OF HIDALGO   §

### **SUPPLEMENTAL AGREEMENT NO. 1** **TO AGREEMENT FOR PROFESSIONAL SERVICES** **C-15-255A-09-01**

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 1st day of September, 2015 concerning professional engineering services required for the "On Call Services - Traffic Studies County Wide" hereinafter referred to as the project; and,

WHEREAS, Article 3, Section 3.1 of the Agreement, Period of Service, Termination Date, establishes the termination date of this agreement; and,

WHEREAS, Article 5, Section 5.1 of the Agreement, Compensation and Fees, Basic Services, "Exhibit D-1 - Fee Schedule" identifies the costs associated with this agreement; and

WHEREAS, Article 5, Section 5.2 of the Agreement, Compensation and Fees, Special Services, "Exhibit D - Contract Rates" identifies the hourly labor rates and non-labor rates associated with this agreement; and

WHEREAS, it has become necessary to amend the Agreement in order to extend the termination date for an additional two (2) year; and

WHEREAS, it has become necessary to amend the Exhibit D-1 - Fee Schedule to reflect the revised costs for professional engineering services associated with the Traffic Studies County Wide Agreement; and

WHEREAS, it has become necessary to amend the Exhibit D - Contract Rates to reflect the revised contract rates for professional engineering services associated with the Traffic Studies County Wide Agreement.

A. AGREEMENT

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

1. Section of the Agreement, Article 3. Period of Service, 3.1 Termination Date of the Agreement is amended as follows:

*Agreement is hereby amended to extend the termination date from September 11, 2017 to September 11, 2019.*

2. Section of the Agreement, Article 5. Compensation and Fees, 5.1 Basic Services of the Agreement is amended as follows:

*Exhibit D-1 - Fee Schedule is hereby amended to reflect the revised costs for professional engineering services associated with the Traffic Studies County Wide Agreement.*

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

*Exhibit D - Contract Rates is hereby amended to reflect the revised contract rates for professional engineering services associated with the Traffic Studies County Wide 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:  \_\_\_\_\_

THE OWNER:

HIDALGO COUNTY

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

Ramon Garcia, County Judge

**REVISED EXHIBIT “D-1”**

**FEE SCHEDULE**

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<b>ITEM A. TRAFFIC SIGNAL WARRANT STUDY</b>	
Three/Four Approaches	\$7,560.00/intersection
<b>ITEM B. SPOT SPEED STUDY</b>	
Spot Speed Study	\$3,360.00/location
<b>ITEM C. LEFT TURN WARRANT STUDY</b>	
Left Turn Warrant Studies	\$5,640.00/intersection
<b>ITEM D. MULTI-WAY STOP CONTROL WARRANT STUDY</b>	
Three/Four Approaches	\$7,080.00/intersection

# 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%	Contract Rates include labor, overhead and profit.  * Base Contract Rates FY 17 increase by 3% per FY. Escalated 3% for future years and thereafter.		
Negotiated Profit Rate: 12.00%			
Multiplier: 2.91			
<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		

## 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