

EXHIBIT “F”
Supplemental Agreement Form

THE STATE OF TEXAS §
 §
COUNTY OF HIDALGO §

**SUPPLEMENTAL AGREEMENT NO. 1
TO WORK AUTHORIZATION NO. 2
TO AGREEMENT FOR PROFESSIONAL SERVICES
C-15-161-11-17**

This **SUPPLEMENTAL AGREEMENT** is made pursuant to the terms and conditions of Article 8 of the Agreement made by and between **HIDALGO COUNTY**, hereinafter called the “**Owner**”, and **L&G ENGINEERING**, professional engineers of Mercedes, Texas, hereinafter called the “**Engineer**”.

WITNESSETH

WHEREAS, the **Owner** and the **Engineer** executed the Main Contract Agreement on the 7th day of December 2015, concerning professional engineering services for the “**Veterans Boulevard (SH 495)** project from IH2 (US83) to La Homa (SH 364) hereinafter referred to as the “**Project**”; and,

WHEREAS, it has become necessary to amend “*Exhibit D-1 – Estimated Man-Hour Breakdown of Work Authorization No. 2, Part 2 of the Agreement – Estimated Cost*”, to reflect the correct contract rates as approved on the Main Agreement. This Supplemental does not increase or decrease this Work Authorization.

A. AGREEMENT

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

- I. Sections of the Agreement, EXHIBIT “D-1” – ESTIMATED MAN-HOUR BREAKDOWN, are revised to reflect the above listed modifications of this Supplemental.

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., President

**THE OWNER:
HIDALGO COUNTY**

BY: _____
Ramon Garcia, County Judge

LIST OF EXHIBITS:
EXHIBIT D-1 – “Estimated Man-Hour Breakdown”

REVISED EXHIBIT D-1
ESTIMATED MAN-HOUR BREAKDOWN

VETERANS BOULEVARD PROJECT
(from Abram Road to La Homa Road (SH 364))

	MANHOURS								Sub-Contract Amounts / ROW COST	TOTAL LINE ITEM COST
	Senior Project Manager	Senior Engineer	Senior Environmental Scientist /Specialist	Project Engineer	Senior Engineer Tech	CADD Operator / GIS Analyst	Admin / Clerical	TOTAL HOURS		
CONTRACT RATE	\$ 211.04	\$ 175.16	\$ 147.98	\$ 129.88	\$ 96.64	\$ 66.44	\$ 60.40			
WORK AUTHORIZATION NO. 2										
PHASE II - SURVEYS & ROW MAP										
1 Field Surveys for Design and Construction	20		50	55		60	4.45	189.45	\$ 87,382.00	\$ 23,018.38
2 Complete ROW Map (Estimated 75 Parcels)	60		84	145		65	8.38	362.38	\$ 243,750.00	\$ 48,750.07
3 PS&E Development Roadway	200	366	100	1146	2000	2082	15.48	5909.48	\$ 122,000.00	\$ 602,500.11
4 Subsurface Utility Engineering (SUE) (Estimated 20 non destructive holes per mile)	6		10	11		9	5.42	41.42	\$ 22,500.00	\$ 5,100.05
5 Engineering Fee to Create 1 set of Plans and Submit through TxDOT	20	20	20	206	196	140	5.27	607.27		\$ 66,000.23
6 Permitted Utilites Coordination to adjust	40	100	20	315	201	156	19.56	851.56		\$ 100,800.10
SUB-TOTAL	346	486	284	1878	2397	2512	58.56	7961.56	\$ 475,632.00	\$ 846,168.94

Sub-Total Manhours Fee with Subconsultant Fee:	\$ 1,321,800.94
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* TOTAL PROJECT FEE:	\$ 1,321,800.00
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*Rounded Figure

EXHIBIT D-1

May 24, 2017

Mr. Jacinto Garza, P.E.,
President
L & G Engineering
2100 W. Expressway 83
Mercedes, Texas 78570

**Reference: Traffic Engineering Services for
Veterans Boulevard (FM 495) - from North Abram Road to La Homa Road**

Dear Jacinto:

We are pleased to submit the attached fee proposal to conduct the referenced services. Our work will cover the following:

Traffic signal warrant studies at five intersections:

- Veterans Boulevard at North Abram Road
- Veterans Boulevard at East Goodwin Road
- Veterans Boulevard at Goodwin Acres Drive
- Veterans Boulevard at Minnesota Road South
- Veterans Boulevard at Minnesota Road North

Traffic signal designs at three intersections:

- Veterans Boulevard at FM 492 (Permanent and Temporary Signals)
- Veterans Boulevard at Bentsen Palm Drive (Permanent and Temporary Signals)
- Veterans Boulevard at La Homa Road (Permanent and Temporary Signals)

Flashing Beacon Designs at three intersections:

- Veterans Boulevard at North Abram Road
- Veterans Boulevard at East Goodwin Road
- Veterans Boulevard at Goodwin Acres Drive
- Veterans Boulevard at Minnesota Road South
- Veterans Boulevard at Minnesota Road North

Attachments

Our proposed fee for the Warrant Studies is \$35,000.00 and for the signal and flashing beacon designs is \$87,000.00. Exhibit A shows the proposed services.

As always we thank you for giving us the opportunity to assist you.

Sincerely,

A handwritten signature in blue ink, appearing to read "Harry C. Simeonidis", with a long horizontal stroke extending to the right.

Harry C. Simeonidis, P.E.,
President

Attachments

Exhibit "D"
BUDGET
LUMP SUM RATE BASIS OF PAYMENT

Work Authorization No. _____

A	B	C	D	E	F	G	H	I	J	K	
1	Highway: Veterans Boulevard Project										
2	County: Hidalgo County, Texas										
3	From: Abram Road to La Homa Road (2.3 Miles)										
4	Description of Work: ROW Map and Design Survey										
5	TASK AND DESCRIPTION	Survey		Survey	4-man	3-man	2-man		Admin/	Total	Cost
6	FC 130 ROW Map / FC 150 Field Surveying	PM	RPLS	Technician	Survey Crew	Survey Crew	Survey Crew	SUE/per unit	Clerical	Hours	
7	HOURLY RATE	\$124.00	\$125.00	\$82.00	\$175.00	\$155.00	\$130.00	\$500.00	\$50.00		
8	PHASE 1 - FC 130 (ROW MAP) Lump Sum per Parcel										
9	A. ROW Map, Parcel Description, Metes and Bounds Description, and Title Reports (75 parcels @ \$3,250.00/parcel)										
10	FC 130 Subtotal Cost - Phase 1										\$ 243,750.00
11	PHASE 1 - FC 150 Field Surveying (Control Hz & Vt)										
12	A. Primary Project Control										
13	a. Establish Primary Control	4	5	3	0	16	0	0	0	28	\$ 3,847.00
14											
15	B. Secondary Project Control										
16	a. Set additional secondary control points as needed	0	0	8	0	8	0	0	0	16	\$ 1,896.00
17	b. Horizontal values established with RTK or VRS	0	0	8	0	8	0	0	0	16	\$ 1,896.00
18	c. Vertical values established with digital level	0	0	8	0	0	24	0	0	32	\$ 3,776.00
19	Subtotal Hours	4	5	27	0	32	24	0	0	92	
20	Subtotal Cost - Phase 1	\$496.00	\$625.00	\$2,214.00	\$0.00	\$4,960.00	\$3,120.00	\$0.00	\$0.00		\$ 11,415.00
21	PHASE 2 - DTM Topography and Cross sections										
22	C. Setting Benchmarks										
23	1. Setting Benchmarks @ 1000'(ft) intervals (App. Count 20)	0	0	0	0	24	0	0	0	24	\$ 3,720.00
24	2. Bench Loop-Vertical Values by Digital Level	0	0	0	0	40	0	0	0	40	\$ 6,200.00
25											\$ -
26	D. Topography / Design Survey										
27	1. From Abram to La Homa and 10' Outside of Proposed Right of Way	0	0	0	0	140	0	0	0	140	\$ 21,700.00
28	2. Drainage Outfalls	0	0	0	0	40	0	0	0	40	\$ 6,200.00
29	3. Irrigation Canals	0	0	30	0	20	0	0	0	50	\$ 5,560.00
30											\$ -
31	E. Utilities										
32	1. Visible Utilites	0	0	2	0	20	0	0	0	22	\$ 3,264.00
33	2. Utility Coordination and Locates	5	5	15	0	0	0	0	20	45	\$ 3,475.00
34											\$ -
35	F. Miscellaneous										
36	1. Additional Field Surveying (Safety Equipment, Traffic Control for Field Crews,	0	5	20	0	16	0	0	15	56	\$ 5,495.00
37	2. R.O.W. Restaking	0	0	0	0	24	0	0	0	24	\$ 3,720.00
38	3. Right of Entry to Landowners	0	5	0	0	0	0	0	24	29	\$ 1,825.00
39	4. Subsurface Utility Reports/ Data Sheets									0	\$ -
40	Subtotal Hours	5	15	67	0	324	0	0	59	470	
41	Subtotal Cost - Phase 2	\$620.00	\$1,875.00	\$5,494.00	\$0.00	\$50,220.00	\$0.00	\$0.00	\$2,950.00		\$ 61,159.00
42	PHASE 3- SUBSURFACE UTILITY ENGINEERING										
43	1. Hydro Excavation SUE Level A (45 holes at \$500 each)	0	0	0	0	0	0	45	0	45	
44		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$22,500.00	\$0.00	0	\$ 22,500.00
45	Total Cost-Phase 3	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$22,500.00	\$0.00	45	\$ 22,500.00
46	PHASE 4 - FINAL REPORT & DELIVERABLES										
47	A. CADD file (2D & 3D) for limits of project	0	0	30	0	0	0	0	8	38	\$ 2,860.00
48	B. Final Report and Deliverables	12	12	12	0	0	0	0	8	44	\$ 4,372.00
49	Subtotal Hours	12	12	42	0	0	0	0	16	82	
50	Subtotal Cost - Phase 4	\$1,488.00	\$1,500.00	\$3,444.00	\$0.00	\$0.00	\$0.00	\$0.00	\$800.00		\$ 7,232.00
51	PROJECT MANAGEMENT & OVERSIGHT										
52	A. Meeting & Coordination w/ Engineers	12	12	0	0	0	0	0	16	40	\$ 3,788.00
53	B. QC/QA Survey	12	12	0	0	0	0	0	16	40	\$ 3,788.00
54	Subtotal Hours	24	24	0	0	0	0	0	32	64	
55	Subtotal Cost - PM & Oversight	\$2,976.00	\$3,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,600.00	0	\$7,576.00
56	Total Fee FC 150	\$5,580.00	\$7,000.00	\$11,152.00	\$0.00	\$55,180.00	\$3,120.00	\$22,500.00	\$5,350.00	0	\$109,882.00
57	Total Fee FC 130 & FC 150										\$353,632.00