

EXHIBIT “F”
Supplemental Agreement Form

THE STATE OF TEXAS §
 §
COUNTY OF HIDALGO §

**SUPPLEMENTAL AGREEMENT NO. 1
TO WORK AUTHORIZATION NO. 1
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) East 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. 1, 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:

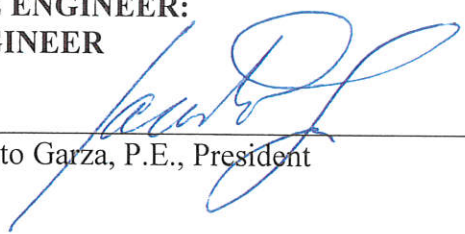
- I. Sections of the Agreement, EXHIBIT “D-1” – ESTIMATED MAN-HOUR BREAKDOWN, are revised to reflect the above listed modifications of this Supplemental.

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 – “Project Estimated Fee Schedule”

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. 1										
PHASE I - EA, PUBLIC INVOLVEMENT, SCHEMATIC, HYDROLOGIC DESIGN										
1 Environmental Assessment with TxDOT	100		460	331		84	200.424	1175.424		\$ 149,850.03
2 Public Involvement with stakeholders and 1 Public Meeting	60		84	91		61	10.974	306.974		\$ 41,625.04
3 Archeological and Historical Research (See Page 2 & 3 of 3 for Sub Cost)	60		90	52	15	19	20.136	256.136	\$ 28,343.20	\$ 36,657.05
4 Engineering Technical Support at Public Meetings with Layouts, etc.	40		61	66		64	20.058	251.058		\$ 31,500.01
5 Schematic for Roadway	100	100	38	339	400	300	36.13	1313.13		\$ 149,040.09
6 Hydrological Map for Outfall Drain Ditch	20	45	22	167	195	146	6.818	601.818		\$ 66,000.08
7 Schematics for Outfall Ditches	82	100	39	204	220	160.376		805.376		\$ 99,000.01
8 Schematic Design for Siphon with Steel Pipe Bypass for Irrigation District	60	20	10	51	59	39	7.34	246.34		\$ 33,000.08
9 Office Surveys for Schematic	40	20	14	106	82	89	6.293	357.29		\$ 42,000.05
10 Preliminary Compensable Utility Identification on Schematic	30	20	10	125	161	160	4.387	510.387		\$ 54,000.00
11 Update Schematic based on comments as provided by TxDOT/FHWA	20	10	6	105	169	160	8.959	478.959		\$ 48,000.05
12 Engineering Technical Support at Public Hearing with Layouts, etc.	20	20	51	38		33	1.706	163.706		\$ 22,500.04
13 Public Involvement for 1 Public Hearing	60	20	80	69		62	8.98	299.98		\$ 41,625.03
SUB-TOTAL	692	355	965	1744	1301	1377.376	332.205	6766.581	\$ 28,343.20	\$ 814,797.57

Sub-Total Manhours Fee with Subconsultant Fee:	\$ 843,140.77
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* TOTAL PROJECT FEE:	\$ 843,140.00
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* Rounded Figure

EXHIBIT D-1



**PROPOSAL
CULTURAL RESOURCE INVESTIGATIONS
VETERANS BOULEVARD (SH 495):
FROM ABRAM ROAD TO SH 364 (LA HOMA ROAD)
HIDALGO COUNTY, TEXAS**

Task 1: Project Coordination Request, Archeological Background Study Report, and NEPA Text

- A) AmaTerra shall prepare a Non-Archeological Historic Resources Project Coordination Request (December 2013 version) for review and comment by TxDOT-ENV.
- B) AmaTerra will review the existing files held by the Texas Archeological Research Laboratory (TARL) and the Texas Historical Commission (THC) to determine if any previously recorded sites or archeological surveys occur within or near the proposed project area. The location of any previously recorded sites and surveys will be plotted onto USGS 7.5-minute topographic maps for use in the compliance coordination process. Archeologists will also consult the USDA NRCS soil survey maps for Hidalgo County, relevant aerial photography, historical maps, land use maps, and the Geologic Atlas of Texas in order to assess the likelihood for unrecorded archeological resources and make recommendations regarding the need for further field surveys. The results of this effort will be integrated into a background study report that conforms to TxDOT's *Review Standards for Archeological Background Studies* for review and comment by TxDOT-ENV.
- C) AmaTerra shall provide Client with language for the Cultural Resources section of the draft NEPA document.

Task 2: Historic Resources Research Design, Field Investigation, and Survey Report

- A) AmaTerra shall prepare a research design for review and comment by TxDOT-ENV. The research design shall conform to the TxDOT *Research Design Reports Review Standard* (March 2014 version).
- B) AmaTerra shall perform a reconnaissance survey conforming to the methodology outlined in Appendix B of the *Draft CRM Guide for Accurately Identifying Non-Archeological Cultural Resources* (Texas Department of Transportation, April 2006). The survey shall document each historic-age resource (defined by TxDOT as a building, structure, object, historic district or non-archeological site at least 45 years old at the time of letting) within the Study Area. The Study Area shall consist of the Area of Potential Effects (APE) plus all parcels that are wholly or partially within the APE.
- C) AmaTerra shall provide a report detailing the results and findings of the reconnaissance survey including effects to historic properties and the need, if any, to conduct intensive survey efforts. The report shall have sufficient detail and clarity to provide THC with the basis for making determinations of National Register of Historic Places (NRHP) eligibility or shall have sufficient detail and clarity to make recommendations concerning the scope of the intensive survey. The report shall conform to the TxDOT *Reconnaissance Survey Reports Review Standard* (March 2014 version).

Cultural Resource Investigations
Veterans Blvd (SH 495): From Abram Rd. to La Homa Rd. (SH 364)
Hidalgo County, Texas

Task 3: Archeological Field Survey and Survey Report

Should an archeological survey be warranted, AmaTerra will develop an application for a Texas Antiquities Permit and submit it to TxDOT-ENV for review and processing. Upon issuance of the permit, AmaTerra will conduct a field survey. AmaTerra will deploy a team of archeologists to conduct a pedestrian survey including shovel testing along the entire length of the proposed APE. AmaTerra will follow the THC requirement of 16 shovel tests per mile per transect; up to 37 shovel tests would be excavated over the approximately 2.3 miles of the APE wherever potential for archeological materials is present. All excavated soil will be screened through ¼ inch mesh and all artifacts will be analyzed in the field and reburied; no artifacts will be collected. Sites (if any are discovered) will be delineated by digging additional manual shovel tests and their locations will be documented by sub-meter GPS. Sites will be recorded on State of Texas archeological data sheets, photographed and sketch mapped. Backhoe trenching is not anticipated as part of this scope of work.

AmaTerra will prepare a professional report documenting the results of the fieldwork. The report will fully document all methods and results of the survey and will offer clear assessments of NRHP/SAL eligibility for all sites. The report will present explicit management recommendations for each site. The draft report will be presented in electronic format to L&G for review and comment and upon approval will be submitted in hard copy for submission to TxDOT. Upon receipt of review comments, AmaTerra will prepare the final report and distribute these in compliance with the terms of the permit.

SCHEDULE

To be determined in consultation with Client.

ASSUMPTIONS AND CONDITIONS

1. Client will provide one individual to assist AmaTerra with the historic resources field survey.
1. If archeological survey is required following background study, AmaTerra assumes one field mobilization to conduct the work. Repeated field visits necessitated by partial right of entry may be considered supplemental to the currently proposed scope.
2. Backhoe trenching will not be included in the archeological field survey.
3. If TxDOT does not require cultural resources work beyond Task 1, AmaTerra shall only invoice Client for the work listed in the Schedule of Values shown below.

COMPENSATION

Client will compensate AmaTerra on a firm fixed price (lump sum) basis in accordance with the Schedule of Values shown below.

Schedule of Values	
Veterans Boulevard: Abram Road to SH 364 (La Homa Road)	
TASK	
1: Historical and Archeological Project Coordination Request/Draft NEPA Text	\$ 3,861.40
2: Historic Resources Research Design, Reconnaissance Survey and Report	\$ 12,472.50
3: Archeological Survey and Report	\$ 12,009.30
TOTAL	\$ 28,343.20