

L&G Engineering

Transportation Consultants

September 4, 2020

The Honorable Ellie Torres
Commissioner, Hidalgo County Pct. No. 4
Attn: Ms. Velinda Reyes, RPIC
1051 N. Doolittle Road
Edinburg, Texas 78539

RE: FM 2220 (Ware Road) Project (C-15-136-06-02)
Limits: from FM 676 (Mile 5 Road) to FM 1925
Supplemental No. 3 to Work Authorization No. 1

Dear Commissioner Torres:

L&G respectfully requests your consideration and approval of Supplemental Agreement (SA) No. 3 to Work Authorization (WA) No. 1 for the FM 2220 (Ware Road) project (From FM 676 (Mile 5 Road) to FM 1925. It has become necessary to amend "Exhibit B – Scope of Services" and update "Exhibit D-1" - Estimated Man-Hour Breakdown" of the previously approved WA to include the Aerial Imagery of the above reference project. The total cost of the original WA will increase from \$1,410,038.14 to \$1,434,971.21; an increase of \$24,933.07.

• L&G Engineering (<i>PRIME</i>)	\$	0.00
• B2Z Engineering (<i>SUB-CONSULTANT</i>)	\$	24,933.07
	TOTAL \$	24,933.07

Attached find the following:

- 1) Two signed originals of SA No. 3 to WA No. 1
 - Exhibit B – Scope of Services for B2Z Engineering.
 - Exhibit D-1 "Estimated Man-hour Breakdown"

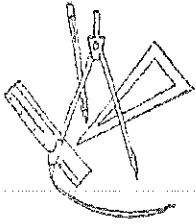
Should you have any questions, please feel free to call me at (956) 585-1909.

Sincerely,



Jordan Sinclair, P.E.
Project Manager

Attachments



September 3, 2020

The Honorable Ellie Torres
Commissioner, Hidalgo County Pct. No. 4
Attn: Ms. Velinda Reyes, RPIC
1051 N. Doolittle Road
Edinburg, Texas 78539

RE: Subcontracting Notice for FM 2220 (Ware Rd) WA#1
Limits: from FM 676 (Mile 5) to FM 1925
C-15-136-06-02

Dear Commissioner Torres:

We would like to inform you of the subcontractor that we will be using on the FM 2220 (Ware Rd) Project ~ Agreement for Professional Services. Please coordinate with your Purchasing Department for Commissioner's Court approval of this notification. This subcontractor will be providing Aerial Imagery Services for the above referenced project.

Subcontractor:

B2Z Engineering
900 S. Stewart Rd., Ste. 4
Mission, Texas 78572
Phone (956) 585-3373

Should you have any questions, please feel free to give me a call at 956-585-1909.

Sincerely,


Jacinto Garza, P.E.
Project Manager

cc: Hidalgo County Auditor's Office

THE STATE OF TEXAS §
 §
COUNTY OF HIDALGO §

SUPPLEMENTAL AGREEMENT NO. 3
TO WORK AUTHORIZATION NO. 1
AGREEMENT FOR PROFESSIONAL SERVICES
C-15-136-06-02

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 Agreement** on the 2nd day of June, 2015 concerning engineering for the Ware Road (FM 2220) (from FM 676 (Mile 5) to FM 1925) project for Hidalgo County Precinct No. 4 (hereinafter referred to as the “**Project**”); and,

WHEREAS, it has become necessary to amend Work Authorization No. 1 to include the additional scope of work and costs associated with the Aerial Imagery.

WHEREAS, it has become necessary to amend “*Exhibit B, Scope of Services to be provided by the Engineer*” of Work Authorization No. 1.

WHEREAS, it has become necessary to amend “*Exhibit D-1 – Estimated Man-Hour Breakdown*” of Work Authorization No. 1.

WHEREAS, the Estimated Cost from the original Work Authorization No. 1 will increase from \$1,410,038.14 to \$1,434,971.21; therefore the amount of Supplemental No. 3 is an increase of \$24,933.07.

A. AGREEMENT

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

- I. Exhibit B – Scope of Services in Work Authorization No. 1 is amended to include the Aerial Imagery, and
- II. Exhibit D-1 – Estimated Man-Hour Breakdown in Work Authorization No. 1 is amended to include the additional costs associated with the Aerial Imagery.

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

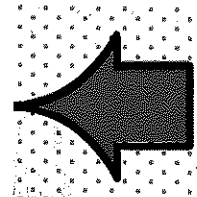
IN WITNESS WHEREOF, the Engineer and the Owner have caused this Supplemental Agreement to the Agreement for Professional Services to be executed as of the _____ day of _____, 2020.

**THE ENGINEER:
L&G ENGINEERING**

BY: _____
Jacinto Garza, P.E., President

**THE OWNER:
HIDALGO COUNTY**

BY: _____
Richard Cortez, County Judge



LIST OF EXHIBITS

- Exhibit B – Scope of Services by B2Z Engineering
- Exhibit D-1 Estimated Man-Hour Breakdown

Exhibit “B”
Scope of Services
Services to be Provided by B2Z

General Scope of Work/Services

B2Z, through this scope of services, shall acquire high-resolution digital photogrammetric frame imagery and produce a fully rectified and seamless orthoimage mosaic with a 500ft buffer for the Ware Rd. Project, hereinafter denoted as the **Project**.

B2Z shall provide all aerial photography and data processing services as noted under this scope of services for the **Client**. **B2Z** shall maintain a direct line of communication and coordinate with the **Client** throughout the project.

B2Z shall furnish all equipment, materials, supplies, and incidentals as needed to perform the services required, except as otherwise specified to be provided by the **Client**.

Specific activities to be performed by **B2Z** include the following:

Task 1 – Preliminary Field Reconnaissance Activities

B2Z will identify flight areas, create flight plans and map out locations to set ground control points for **Project**.

Task 2 – Field Reconnaissance

B2Z will capture aerial photography and set ground control points for the **Project**. (Estimated 8 days of field reconnaissance - weather and flight conditions permitting)

Task 3 – Post Flight Data Processing

B2Z will upload, catalog and process data to deliver a complete orthoimage mosaic for **Project**.

Task 4 – Meetings & Coordination

B2Z staff will participate in internal plan of action meetings and coordinate all necessary activities with the **Client**.

REVISED EXHIBIT D-1
ESTIMATED MAN-HOUR BREAKDOWN

FM 2220 (WARE ROAD) PROJECT
from FM 676 (Mile 5) to FM 1925

	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	218.04	180.66	152.63	133.94	93.45	68.53	62.30			
SUPPLEMENTAL #2 TO WORK AUTHORIZATION NO. 1										
<i>PHASE I - Archeological and Historical Research</i>										
1 Archeological and Historical Research (See Page 2 & 2 for Sub Cost)									\$ 26,869.60	\$ -
SUB-TOTAL	0	0	0	0	0	0	0	0	\$ 26,869.60	\$ -
									Supplemental #2 to WA#1 Sub-Total Manhours Fee with Subconsultant Fee: \$ 26,869.60	

	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	218.04	180.66	152.63	133.94	93.45	68.53	62.30			
SUPPLEMENTAL #3 TO WORK AUTHORIZATION NO. 1										
<i>PHASE I - Aerial Imagery</i>										
1 Ware Road Aerial Imagery Project									\$ 24,933.07	\$ -
SUB-TOTAL	0	0	0	0	0	0	0	0	\$ 24,933.07	\$ -
									Supplemental #3 to WA#1 Sub-Total Manhours Fee with Subconsultant Fee: \$ 24,933.07	

* TOTAL PROJECT FEE:	\$ 1,434,971.21
-----------------------------	------------------------

*Rounded Fee

REVISED EXHIBIT D-1
ESTIMATED MAN-HOUR BREAKDOWN

FM 2220 (WARE ROAD) PROJECT
from FM 676 (Mile 5) to FM 1925

	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	218.04	180.66	152.63	133.94	93.45	68.53	62.30			
WORK AUTHORIZATION NO. 1										
PHASE I - EA, PUBLIC INVOLVEMENT, SCHEMATIC, HYDROLOGIC DESIGN										
1 Environmental Assessment with TxDOT	120		549	401.25		104	205	1379.25		\$ 183,600.72
2 Public Involvement with stakeholders and 1 Public Meeting	120		167	163.25		107	12	569.25		\$ 81,600.03
3 Archeological and Historical Research (See Page 2 & 2 for Sub Cost)	36		97	47.25	14	15.5	24	223.75	\$ 33,678.00	\$ 31,322.63
4 Engineering Technical Support at Public Meetings with Layouts, etc.	40		80	60.25		61	22	243.25		\$ 31,500.22
5 Schematic for Roadway	220	210	81	801.25	830	689	81	2882.25		\$ 333,360.93
6 Schematic for 2 Outfalls	45	90	20	212	200	176.25	24	768.25		\$ 90,000.73
7 Hydrological Map for 5 Miles - 2 Outfall Drain Ditches (outfall capacities etc.)	64	110	40	240	220	196	31	901		\$ 108,000.14
8 Schematic Design for 3-8x8 Siphon w/48" Steel Pipe Bypass	89	160	10	321.25	242	278.25	7.25	1107.75		\$ 135,000.73
9 Office Surveys for Schematic	40	20	13	101	82	89.5	5.75	351.25		\$ 42,001.49
10 Preliminary Compensable Utility Identification on Schematic	31	20	9	120.25	161	157.25	5.25	503.75		\$ 54,001.26
11 Update Schematic based on comments as provided by TxDOT/FHWA	4	8	5	79.25	52	162.25	5.25	315.75		\$ 30,000.80
12 Engineering Technical Support at Public Hearing with Layouts, etc.	40	40	102	66.25		65.25	2.25	315.75		\$ 45,001.54
13 Public Involvement for 1 Public Hearing	10	20	80	60		62	5	237		\$ 30,600.76
SUB-TOTAL	860	678	1223	2673.25	1801		429.75	9798.25	\$ 33,678.00	\$ 1,195,991.97
Sub-Total Manhours Fee with Subconsultant Fee:									\$	1,229,669.97
* TOTAL PROJECT FEE WA#1:									\$	1,229,660.00

*Rounded Fee

	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	218.04	180.66	152.63	133.94	93.45	68.53	62.30			
SUPPLEMENTAL #1 TO WORK AUTHORIZATION NO. 1										
PHASE I - EA, SCHEMATIC, HYDROLOGIC DESIGN										
1 Environmental evaluation of proposed outfalls to include in original document			80			24	24	128		\$ 15,350.32
2 Engineering Technical Support at Public Meetings with Layouts, etc.	12		28	38		40	7	125		\$ 15,157.14
3 Schematic for J-08 Drain	19	35	10	85	105	65	12	331		\$ 38,391.36
4 Hydrologic Map for J-08 Drain	17	25	12	95	75	65	6	295		\$ 34,616.04
5 Office Surveys for Schematic	15	10	7	45	25	20	5	127		\$ 16,191.26
6 Preliminary Compensable Utility Identification on Schematic	13	5	6	25	55	35	5	144		\$ 15,851.90
8 Update Schematic based on comments as provided by TxDOT/FHWA	3	6	4	23	13	45	2	96		\$ 9,852.52
9 Preliminary ROW identification and spot elevations (See Page 2 of 2 for Sub Cost)								0	\$ 8,098.00	\$ -
SUB-TOTAL	79	81	147	311	273	294	61	1246	\$ 8,098.00	\$ 145,410.54
Supplemental #1 to WA#1 Sub-Total Manhours Fee with Subconsultant Fee:									\$	153,508.54



**EXHIBIT "D"
FEE PROPOSAL**

**Ware Rd Aerial Photography
(5 Mile Line to FM 1925)**

Ware Rd. Aerial Photography (5 Mile Line to FM 1925)		MANHOURS					Subtotal
		Project Manager	GIS / Sr. Eng. Technician	Unmanned Aircraft System (UAS) Pilot	Engineering Tech	Total	
TASKS							
CSJ: 2094-01-063 (FM 1925 to SH 107) 2.9 miles							
1	Preliminary Field Reconnaissance Activities (Identification of flight areas, creation of flight plans, mapping of ground control points)	1		2	2	5	\$573.85
2	Field Reconnaissance (UAS Aerial Imagery & Ground Control Data Collection)			34	34	68	\$5,759.26
3	Post Flight Data Processing (Upload data, catalog data, process data)		15	17	17	49	\$4,850.03
4	Internal Meetings & Coordination	1	1	2	2	6	\$705.21
CSJ: 2094-01-062 (SH 107 - 5 Mile Line) 2.5 miles							
1	Preliminary Field Reconnaissance Activities (Identification of flight areas, creation of flight plans, mapping of ground control points)			2	2	4	\$338.78
2	Field Reconnaissance (UAS Aerial Imagery & Ground Control Data Collection)			30	30	60	\$5,081.70
3	Post Flight Data Processing (Upload data, catalog data, process data)		15	17	17	49	\$4,850.03
4	Internal Meetings & Coordination	1	1	2	2	6	\$705.21
		3	32	106	106	247	
Labor Hours		3	32	106	106	247	
Hourly Base Rates		\$ 68.00	\$ 38.00	\$ 25.00	\$ 24.00		
Contract Rate FY2020		\$ 235.07	\$ 131.36	\$ 86.42	\$ 82.97		
Total Labor Costs		\$ 705.21	\$ 4,203.52	\$ 9,160.52	\$ 8,794.82		\$ 22,864.07

Direct Expenses

CSJ: 2094-01-063 (FM 1925 to SH 107)		
Aerial Drone Flight (\$250.00/hr)	\$	1,000.00
Mileage (\$0.575/mile)	\$	34.50
CSJ: 2094-01-063 (FM 1925 to SH 107)		
Aerial Drone Flight (\$250.00/hr)	\$	1,000.00
Mileage (\$0.575/mile)	\$	34.50
Total Direct Expenses	\$	2,069.00

B2Z Engineering Total Cost

\$ 24,933.07

CERTIFICATE OF INTERESTED PARTIES

FORM 1295

1 of 1

Complete Nos. 1 - 4 and 6 if there are interested parties.
 Complete Nos. 1, 2, 3, 5, and 6 if there are no interested parties.

OFFICE USE ONLY CERTIFICATION OF FILING

1 Name of business entity filing form, and the city, state and country of the business entity's place of business.

L&G Consulting Engineers, Inc.
 Mercedes, TX United States

Certificate Number:
 2020-664435

Date Filed:
 09/03/2020

2 Name of governmental entity or state agency that is a party to the contract for which the form is being filed.

Hidalgo County Precinct No. 4

Date Acknowledged:

3 Provide the identification number used by the governmental entity or state agency to track or identify the contract, and provide a description of the services, goods, or other property to be provided under the contract.

C-15-136-06-02

Supplemental No.3 to Work Authorization No.1 limits from Ware Road (FM 2220) (from FM 676 (Mile 5) to FM 1925).

4 Name of Interested Party	City, State, Country (place of business)	Nature of interest (check applicable)	
		Controlling	Intermediary
Garza, P.E. , Jacinto	Mercedes , TX United States	X	
Sandoval, P.E., Armando	Mercedes, TX United States		X

5 Check only if there is NO Interested Party.

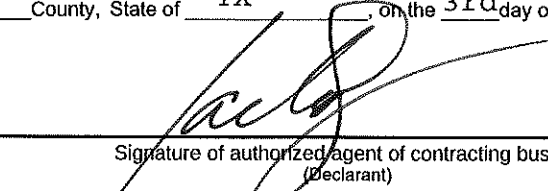
6 UNSWORN DECLARATION

My name is Jacinto Garza, and my date of birth is 10/23/1961.

My address is 2100 W. Expressway 83, Mercedes, TX, 78570, USA
(street) (city) (state) (zip code) (country)

I declare under penalty of perjury that the foregoing is true and correct.

Executed in Hidalgo County, State of TX, on the 3rd day of September, 2020.
(month) (year)


 Signature of authorized agent of contracting business entity
(Declarant)