

L&G Engineering

Transportation Consultants

September 27, 2011

The Honorable Joel Quintanilla
Commissioner, Hidalgo County Pct. No. 1
1902 Joe Stephens
Weslaco, Texas 78596

**RE: FM 493 South (Work Authorization No. 2), Supplemental No. 1
Limits: from US 281 (Military Highway) North 6.65 Miles to Business 83)**

Dear Commissioner Quintanilla:

As discussed, this letter serves to formally request an increase to Work Authorization No. 2 for the FM 493 South Project. Attached in duplicate for your review and approval is Supplemental No. 1. This Supplemental is being requested for the completion of the Right-of-Way Map with the additional 25 parcels.

I have received a revised proposal utilizing a different surveyor, Guzman & Muñoz, and have brought down the previously submitted cost proposal by \$8,000.00. The new revised proposal for the additional 25 parcels is \$115,014.00, which includes the Right-of-Way Map, Parcel Sketches, Field Note descriptions and area computation sheets.

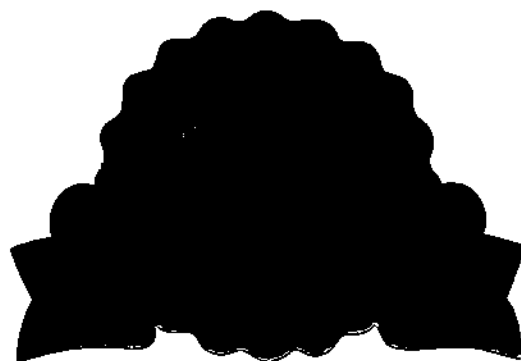
I have also included for your use and information, a copy of the Preliminary Right-of-Way Map clearly identifies the increase in parcels from 105 to 130 parcels for this project and the verbiage needed to place the item on the next Commissioner's court agenda.

We look forward to working with you and your staff on this project. If you have any questions regarding this submittal or require additional information, please feel free to give me a call at (956) 565-9813.

Sincerely,
L&G ENGINEERING


Jacinto Garza, P.E.
CEO/Project Manager

Attachments



WHEREAS, it has become necessary to amend "Exhibit B – Services to be Provided by Engineer" of Work Authorization No. 2, Part 1 of the Agreement, Scope of Work, in order to increase the amount of estimated parcels from 105 Parcels to 130 Parcels; and,

WHEREAS, it has become necessary to amend "Exhibit D – Fee Schedule" of Work Authorization No. 2, Part 2 of the Agreement, Estimated Cost, to increase the original Work Authorization amount of \$451,665.50 to \$566,679.50; therefore the amount of Supplemental No. 1 is \$115,014.00.

AGREEMENT

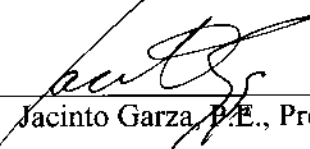
NOW THEREFORE, premises considered, the **Owner** and the **Engineer** agree that said **Agreement** is amended as follows:

- I. Sections of the **Agreement**, EXHIBIT "B" – SERVICES TO BE PROVIDED BY THE ENGINEER and EXHIBIT "D" – FEE SCHEDULE, 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 executed as of the ___ day of _____, 2011.

THE ENGINEER:
L&G Engineering

BY: 
Jacinto Garza, P.E., President

OWNER:
HIDALGO COUNTY

BY: _____
Ramon Garcia, County Judge

ATTACHMENTS:

- Exhibit A – Services to be provided by County - OMITTED
- Exhibit B – Services to be provided by the Engineer
- Exhibit C – Revised Work Schedule
- Exhibit D – Revised Fee Schedule

GENERAL INSTRUCTIONS

ENGINEER shall mean L&G Engineering.

SURVEYOR shall mean Guzman & Muñoz Engineering and Surveying, Inc.

STATE shall mean Texas Department of Transportation.

COUNTY shall mean Hidalgo County.

PROJECT DESCRIPTION

The services designated herein as "Services Provided by the Engineer" shall include the performance of all engineering services for the following described facility:

County/City: Hidalgo County

Control: 0863-01-047, etc.

Project/Description: Design Surveys, Right-of-Way Mapping for FM 493 South

Length: 6.5 Miles

Highway: FM 493

Limits: US 281 (Military Highway) North 6.65 Miles to Business 83)

Existing Facility

Project Classification

(Place an "X" in only one Project Classification)

- Surface Treatment
- Overlay
- Rehabilitation Existing Road (Scarify & Reshape)
- Convert Non-Freeway to Freeway
- Widen Freeway
- Widen Non-Freeway
- New Location Toll Freeway
- New Location Non-Freeway
- Interchange (New or Reconstruct)
- Bridge Widening or Rehabilitation
- Bridge Replacement
- Upgrade to Standards - Freeway
- Upgrade to Standards - Non-Freeway
- Miscellaneous Studies (Use Function Code 110 For All Tasks)

NOTES

RIGHT-OF-WAY DATA
(Function Code 130)

**SCOPE OF WORK ASSOCIATED WITH
SUPPLEMENTAL NO. 1 TO WORK AUTHORIZATION NO. 2
FOR 25 ADDITIONAL PARCELS**

Services
Provided By:
Engineer County

NOTE: No work involving right-of-way (ROW) data is to be performed until the state has given the engineer written approval of the final location of the proposed ROW lines.

YES

1. Ownership Data in a .dgn file
 - a. Ownership Information shall be determined (Preliminary Title Data) for a distance of 3/4 miles before and after each existing or proposed overpass.
 - b. Compensable utility ownership rights on TxDOT ROW shall be researched and provided.
 - c. For each drainage outfall property preliminary ROW identification will be shown.
 - d. For each irrigation structure pipe.
 - e. Mailing list of owners on both side of the expressway for the project limits.

YES

2. Parcel plats & Right-of-Way Map
 - a. A ROW map, parcel plats and field notes shall be prepared and furnished.
 - b. ROW map and field notes shall be revised as required due to changes in Highway Ownership Changes or Revised Parcel Numbering. All plats and field notes must be signed and sealed by a Registered Professional Land Surveyor (RPLS).
 - c. ROW map must depict all improvements affecting ROW.

YES

3. Utility Adjustments
 - a. Highway Design Data shall be furnished by the Engineer to the County and TxDOT for joint coordination with Utility Companies of the needed Utility Adjustments.

YES

4. Field Notes
 - a. Field notes and plats, signed and sealed by a Registered Professional Land Surveyor, for all parcels on the ROW Map (metric and english units)
 - b. Control of Access Descriptions for all parcels on Designated Controlled Access Highways.
 - c. Computation Sheets for Survey Closure and Area for Each Parcel.
 - d. Ground surveys and preparation of parcel maps, legal descriptions, and right of way maps.

YES

5. Survey and Stake Right-of-Way

YES

6. Records as Required by the County and TxDOT
 - a. Records used to establish ownership

Services
Provided By:
Engineer County

YES

7. General Guidelines for Preparation of Right-of-Way Maps
- a. All procedures involving ROW maps, surveys and field notes shall be in conformance with the State's Right-of-Way, Book I and Book II, except as provided herein and in accordance with the Texas Board of Professional Land Surveying Practices Act.
 - b. The **engineer** shall be responsible for completing the title sheet as required and formatted by TxDOT and as discussed in Book II of the Right of Way Manual.
 - c. Preliminary and completed work shall be submitted as requested by the district.
 - d. The **engineer** shall maintain a direct line of communication and coordinate very closely with the district's design staff, through the district engineer, throughout the project.
 - e. (1) Minimum mathematical calculations relative to field note data are: (a) area of taking, if expressed in metric, will be carried to three decimal places or, if expressed in square feet, will be rounded to the square foot, (b) distances will be given to the nearest metric units and hundredth of a foot and (c) bearings will be carried to the nearest second. Data contained in the field notes and shown on the map shall be identical. More precise calculations may be requested by TxDOT.
(2) Calls within the body of the field notes shall be written to identify property lines and the existing and proposed ROW lines.
 - f. Project base line is to be drawn and stationed on the ROW map.
 - g. Minimum size lettering is to be 4 millimeters (5/32 inch) height for hand lettering and 140 for lettering by computer-aided design and drafting (CADD) on all ROW maps, unless otherwise authorized in writing by TxDOT.
 - h. As soon as property lines and parent tracts can be determined, the engineer shall submit a preliminary map for review of parcel numbers and guidance early in the development process.
 - i. Zip-a-tone or similar products shall not be used on map sheets.
 - j. All field notes and plats shall be signed, dated and sealed by a Registered Professional Land Surveyor or Licensed State Land Surveyor.
 - k. The ROW map sheets shall be ink or Mylar type tracing film or as otherwise authorized by TxDOT.
 - l. Field note data for all parcels shall be furnished on diskettes or tapes that are compatible with TxDOT.
 - m. THE SURVEYOR SHALL BE LIABLE FOR ALL SURVEYING MISTAKES AND SHALL BE RESPONSIBLE AT HIS SOLE EXPENSE FOR CORRECTION OF ALL ERRORS.
 - n. TxDOT Plan Checklist will be adhered to.

EXHIBIT "D"

**Supplemental No. 1 to Work Authorization No. 2
 FM 493 Right of Way Mapping and Surveys
 L & G ENGINEERING**

3.1

Task	Project Manager	Engineer	Admin/ Clerical	Total Hours	Direct Labor	Total	Cost
	\$50.00	\$44.00	\$17.50				
Project Management of Contract/Progress Reports	80				\$4,000.00	\$12,400.00	
Provide a review of submittals and coordinate revisions	80	125	80		\$10,900.00	\$33,790.00	
Processing of Invoices	24		48		\$2,040.00	\$6,324.00	
<i>Total for L&G Engineering</i>					\$16,940.00	\$52,514.00	
See Exhibit D-1 from Guzman & Muñoz Surveying Additional Design Field Surveys & ROW Map Amendment							
<i>Total for Guzman & Muñoz & Associates</i>						\$62,500.00	\$62,500.00

TOTAL LABOR

\$115,014.00

TOTAL \$115,014.00



2020 E. Expressway 83
 Mercedes, TX 78570
 TEL: (956)565-4637 FAX: (956)565-4636

FM 493 South Project - Hidalgo Co. Pct. #1
 GUZMAN-MUNOZ - MANHOURLY BREAKDOWN
 August 30, 2011

Work Description	Sr. Project Manager	Project Manager	Sr. Engineer	Project Engineer	EIT	Sr. Eng. / Survey Tech.	Eng. / Survey Tech.	CADD Operator	Admin / Clerical	Inspector	RPLS	2 Person Survey	3 Person Survey Crew	4 Person Survey Crew	GPS Crew and Equipment	TOTAL HRS	% Total
Sheets	4	0	0	0	0	47	30	80	0	0	50	94.00	0	0	0	308	37.55%
FUNCTION CODE 130	0	0	0	0	0	40	0	62	4	0	43	78	0	0	0	227	42.45%
FUNCTION CODE 150	4	0	0	0	0	87	30	142	4	0	93	172.0000	0	0	0	515	
TOTAL GUZMAN-MUNOZ LABOR HOURS	\$ 137.20	\$ 177.20	\$ 109.76	\$ 96.04	\$ 82.32	\$ 96.04	\$ 82.32	\$ 66.60	\$ 41.16	\$ 54.88	\$ 109.76	\$ 120.00	\$ 130.00	\$ 150.00	\$ 200.00		
RATE PER HOUR	\$ 548.80	\$ 411.60	\$ -	\$ -	\$ -	\$ 8,355.48	\$ 2,452.60	\$ 9,741.20	\$ 1,646.64	\$ -	\$ 10,207.68	\$ 20,640.00	\$ -	\$ -	\$ -		
TOTAL GUZMAN-MUNOZ DIRECT LABOR COST	0.75%	0.56%	0.00%	0.00%	0.00%	16.27%	5.57%	26.55%	0.75%	0.00%	17.39%	32.16%	0.00%	0.00%	0.00%		
% of Total Hours by Labor Classification																	

N-MUNOZ - TOTAL LABOR COST W/OH & PROFIT \$ 52,522.00

DIRECT EXPENSE COST

- Printing and Reproduction \$370.00
- Travel \$858.00
- Telephone, Fax, & Misc. \$0.00
- Photos & Miscellaneous \$8,750.00

TOTAL GUZMAN-MUNOZ DIRECT COSTS \$9,978.00

TOTAL PROJECT COST \$ 62,500.00



PO Number 644483
 PO Date 08-18-2010
 Requisition No 00180465
 Owner AWEBBER
 PO Type

Vendor No 280046
 Vendor Name L & G CONSULTING ENGINEERS, INC.
 Address 2100 W. EXPRESSWAY 83
 MERCEDES, TX 78570

PO Total 451,665.50
 Payment Total 311,108.58

Detail		Header	Payment Info	Journals		
Line No	Ordered	Quantity Received	Canceled	Description	Unit Price	Amount
1	1			WORK AUTHORIZATION # 2 ENGINEERING SERVICES REQUIRED F	451,665.500	451,665.50
<i>C. 08-11-12-09</i>						
Total						451,665.50
Account Number	Description			Amount	Amount Liq	
1-1342-431-00-121-053-0-841	CO2010A&B-PCT1 FM493(US281-BUS83)-AID			451,665.50	311,108.58	