

## Evangelina Garcia

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**From:** Noe Montez [noe.montez@co.hidalgo.tx.us]  
**Sent:** Thursday, August 04, 2011 8:39 AM  
**To:** evangelina.garcia@co.hidalgo.tx.us; joel.quintanilla@co.hidalgo.tx.us; 'Martha'  
**Attachments:** L & G Eng Work Auth #2 Multi Stop Study.pdf

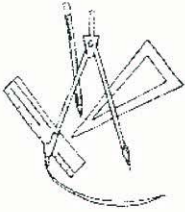
Good Morning Vangie: Can you please place this Work Auth on the next CC meeting for approval. The Account number is 1-1200-431-00-121-005-0-334

I need to see if we can move item up the meeting of 8/9/11 due to this is a much needed study the Commissioner Quintanilla wants done as soon as possible.

Thanks

Noe Montez, CPM  
Director Of Management Support  
1902 Joe Stephens Ave  
Weslaco, Tx 78596

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August 2, 2011

**RECEIVED**

AUG 3 2011

PRECINCT 1  
COMMISSIONER  
JOEL QUINTANILLA

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

**RE: Hidalgo County MPO Contract (C-11-054-04-12)  
Work Authorization No. 2 – Multi Way Stop Control Warranty Study**

Dear Commissioner Quintanilla:

As requested, attached for your review, approval and further processing to the County are two signed originals of Work Authorization No. 2 in the amount of \$5,900.00. This Work Authorization is to conduct a Multi-Way Stop Control Warrant Study at the intersection of Old La Blanca Road and Sioux Road in Precinct No. 1.

Attached you will find the following documents:

- Work Authorization No. 2
  - Exhibit A "Services to be provided by Owner"
  - Exhibit B "Services to be provided by the Engineer"
  - Exhibit C "Work Schedule" (Omitted)
  - Exhibit D "Fee Schedule"

We look forward to working with you and your staff on this project. Should you have any questions regarding this submittal, please do not hesitate to call either Mr. Gustavo O. Lopez, P.E. at (956) 585-1909 or Mr. Anthony Garza at (956) 565-9813.

Sincerely,  
**L&G ENGINEERING**

  
Jacinto Garza, P.E.  
CEO/Project Manager

Attachments

**RECEIVED**  
AUG 3 2011  
BY: 

**HIDALGO COUNTY**  
**Professional Engineering Services**  
**Contract # C- 11-054-04-12**  
**Work Authorization Form**

**WORK AUTHORIZATION NO. 2**

THIS WORK AUTHORIZATION is made pursuant to the terms and conditions of Article 1 of the Agreement made by and between HIDALGO COUNTY, action 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".

**PART 1. SCOPE OF WORK**

The purpose of this Work Authorization is for the Engineer to provide the following:

The scope of work for Professional services is to conduct a multi-way stop control warrant study at the intersection of La Blanca Road and Sioux Road within Hidalgo County Precinct No. 1. The warrant study will follow the required guidelines listed in the Texas Manual on Uniform Traffic Control Devices ( Texas MUTCD ), latest edition and in to Hidalgo County's requirements.

**PART 2. ESTIMATED COST**

The estimated cost for services under this Work Authorization No. 2 will be based on services requested and warrant study provided as identified on Exhibit "D" Contract Rates - Item B. Multi-Way Stop Control Warranty Study (Qty 1) \$5,900.00.

**PART 3. PAYMENT**

Compensation and payment to the Engineer for the services established under this Work Authorization shall be made in accordance with Article 6 of the Agreement.

**PART 4. FUNDING**

This Work Authorization No. 2 shall be funded through funding source:

Account No. \_\_\_\_\_

Requisition Number \_\_\_\_\_ (MUST BE INCLUDED AFTER CC APPROVAL)

**PART 5. PERIOD OF SERVICE**

This Work Authorization shall become effective on the date of final acceptance of the parties hereto, and terminate upon completion of scopes of the work authorization.

**PART 6. RESPONSIBILITIES AND OBLIGATIONS**

This Authorization does not waive the parties' responsibilities and obligations provided under the Agreement.

**PART 7. ACKNOWLEDGEMENT AND CONFIRMATION**

Acknowledgement and confirmation by Hidalgo County Precinct No. 1, Commissioner Joel Quintanilla as to the content and detail of this Work Authorization No. 2.

**HIDALGO COUNTY  
COMMISSIONER PRECINCT NO. 1**

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By: Joel Quintanilla

**PART 8. ACCEPTANCE AND APPROVAL**

This Work Authorization is hereby accepted, approved by Hidalgo County Commissioners' Court on \_\_\_\_\_ day of \_\_\_\_\_ 2011 as indicated below.

**THE ENGINEER:  
L&G ENGINEERING**

**THE OWNER:  
HIDALGO COUNTY**

  
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By: Jacinto Garza, P.E.  
President

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By: Ramon Garcia  
County Judge

**ATTEST:**

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By: Arturo Guajardo, Jr., County Clerk

**LIST OF ATTACHMENTS**

- Exhibit A - Services to be provided by Owner
- Exhibit B - Services to be provided by Engineer
- Exhibit C - Work Schedule (Omitted)
- Exhibit D - Fee Schedule

**EXHIBIT "A"**

**SERVICES TO BE PROVIDED BY THE OWNER**

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1. Hidalgo County will issue work authorization to initiate all required services and designate the authorized representative of the coordination of each work authorization.
2. Hidalgo County will provide the Engineer with on-going guidance, timely reviews, and decisions necessary to complete services required by the work authorization.
3. Assistance will be provided to the Engineer to obtain the required data and information from other local, regional, state and federal agencies.
4. The County shall adhere to Article 6 of the Contract with respect to Payment.

## **EXHIBIT "B"**

### **SERVICES TO BE PROVIDED BY THE ENGINEER**

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#### **B. MULTI - WAY STOP CONTROL WARRANT STUDIES**

The purpose of a multi-way stop sign study is to determine if installation of stop signs at the intersection of two or more roadways will benefit motorists from a safety standpoint. As a minimum, the warrant study shall include: analysis of existing traffic control (if any), analysis of accident data, analysis of vehicle and pedestrian volumes, and analysis of travel speed.

#### **C. TRAFFIC SIGNAL WARRANT STUDIES**

The purpose of a traffic signal warrant study is to determine the necessity for a signal installation at an intersection, of two or more roadways based on safety and time delay benefits which may be derived by motorists and/or pedestrians. As a minimum, the warrant study shall include: analysis of vehicle and pedestrian volumes, analysis of existing traffic control (if any), analysis of the roadway, analysis of accident data and analysis of travel speeds. Analyses shall be performed in accordance with the procedures established in the latest edition of the "Texas Manual on Uniform Traffic Control Devices".

#### **D. SPOT SPEED STUDIES**

The purpose of a spot speed study is to measure the speed characteristics at a specified location for each direction of flow under the traffic and environmental conditions prevailing at the time of the study. Speed data may be collected manually or by automatic methods and shall be adequate sample size to satisfy statistical considerations.

#### **E. LEFT TURN WARRANT STUDIES**

The purpose of a left turn warrant analysis is to determine if a separate left turn lane is needed on an intersection approach. The intention of separating left turn traffic from through traffic is to improve safety and minimize delay due to lengthy queues and/or inefficient controller phasing. The analysis shall include study of vehicle movements at the intersection, analysis of vehicle delay, analysis of existing traffic control and analysis of vehicle conflicts. Capacity analysis and signal optimization are not required as part of the analysis.

**EXHIBIT "D"  
FEE SCHEDULE**

**COMPENSATION AND TIME FOR PERFORMANCE AT HCMPO MEETINGS**  
The Engineer's compensation and the time for performance for services under this agreement shall be as set forth below:

**ITEM A. HCMPO REPRESENTATION / HCRMA UPDATE (STATUS & PROGRESS)**

	SERVICE	BASIS OF COMPENSATION (HOURLY RATE)	NO. OF MEETINGS PER MONTH	TIME FOR PERFORMANCE (HOURS / MILES) PER MEETING	TOTAL
JACINTO GARZA, P.E.	HCMPO REPRESENTATION	\$195.65	2	8 HOURS	\$3,130.40
	HCRMA UPDATE STATUS & PROGRESS	\$195.65	1	8 HOURS	\$1,565.20
ANTHONY GARZA	HCMPO REPRESENTATION	\$75.25	2	8 HOURS	\$1,204.00
	HCRMA UPDATE STATUS & PROGRESS	\$75.25	1	8 HOURS	\$602.00
MARIE BUSTAMANTE	ADMINISTRATIVE PREPARATION-MPO	\$52.68	2	2 HOURS	\$210.72
	ADMINISTRATIVE PREPARATION-HCRMA	\$52.68	1	2 HOURS	\$105.36
	MILEAGE REIMBURSEMENT PER MEETING	\$.55 / PER MILE	6	50 MILES ROUND TRIP	\$165.00
<b>MONTHLY TOTAL COST</b>					<b>\$6,982.68</b>
<b>*NOTE (ITEM A):</b>					
<b>ADDITIONAL MEETINGS, PREPARATION OF LETTERS AND COORDINATION WITH VARIOUS ENTITIES WILL BE PROVIDED AND CHARGED AT THE RATES LISTED ON EXHIBIT "D-1" CONTRACT RATES.</b>					

<b>ITEM B. MULTI-WAY STOP CONTROL WARRANT STUDY</b>			
Three/Four Approaches	\$5,900.00/intersection	30	
<b>ITEM C. TRAFFIC SIGNAL WARRANT STUDY</b>			
Three/Four Approaches	\$6,300.00/intersection	30	
<b>ITEM D. SPOT SPEED STUDY</b>			
Spot Speed Study	\$2,800.00/location	15	
<b>ITEM E. LEFT TURN BAY WARRANT STUDY</b>			
Left Turn Warrant Studies	\$4,700.00/intersection	30	

**EXHIBIT "D-1"**  
**FEE SCHEDULE**  
**WORK AUTHORIZATION NO. 2**  
**MULTI-WAY STOP CONTROL WARRANT STUDY**

TASK	COMPENSATION	QUANTITY	TOTAL COST
<b>WORK AUTHORIZATION NO. 2</b>			
<b>SERVICES PROVIDED BY L&amp;G ENGINEERING</b>			
<i>Contract Management</i>	1,004.04	1	1,004.04
<b>SERVICES PROVIDED BY SUB-CONSULTANT</b>			
Item B. Multi-Way Stop Control Warrant Study <i>See Attachment D-2 from ETSI (Subconsultant)</i>	\$ 4,895.96	\$ 1.00	\$ 4,895.96
<b>Total Work Authorization No. 2</b>			<b>\$5,900.00</b>

