

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. 1-1200-431-00-121-005-0-334

Requisition Number 200639 (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**

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**



By: Jacinto Garza, P.E.
President

By: Ramon Garcia
County Judge

ATTEST:

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 (Page 1 of 3)
- Exhibit D1 - Fee Schedule (Page 2 of 3)
- Exhibit D2 - ETSI Fee Schedule (Page 3 of 3)

EXHIBIT "A"

SERVICES TO BE PROVIDED BY THE OWNER

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

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
MONTHLY TOTAL COST					\$6,982.68
*NOTE (ITEM A):					
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.					

ITEM B. MULTI-WAY STOP CONTROL WARRANT STUDY	Three/Four Approaches	\$5,900.00/intersection	30
ITEM C. TRAFFIC SIGNAL WARRANT STUDY	Three/Four Approaches	\$6,300.00/intersection	30
ITEM D. SPOT SPEED STUDY	Spot Speed Study	\$2,800.00/location	15
ITEM E. LEFT TURN BAY WARRANT STUDY	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
WORK AUTHORIZATION NO. 2			
SERVICES PROVIDED BY L&G ENGINEERING			
<i>Contract Management</i>	1,004.04	1	1,004.04
SERVICES PROVIDED BY SUB-CONSULTANT			
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
Total Work Authorization No. 2			\$5,900.00

