

**L & G Consulting Engineers Inc**  
**2100 W. Expressway 83**  
**Mercedes, TX 78570**  
**(956) 565-9813 Fax (956) 565-9018**

**INVOICE #: 11329795**  
**INVOICE DATE: 06/30/24**

**BILL TO: 93**  
Hidalgo County Pct. #2  
300 W. Hall Acres, Suite G  
Pharr, TX 78577

**JOB: 151102**  
Cesar Chavez WA#2  
(From: Bus 83 E to Nolana)  
PO# 796794

RECEIVED JUL - 3 2024

DESCRIPTION	CONTRACT	PREVIOUS APPLICATIONS	CURRENT COMPLETED	TOTAL COMPLETED	% COMPL	BALANCE TO FINISH
Engineering services for the month of June 2024.						
Work Authorization #2 - To provide PS&E, ROW Mapping, Permitted Utilities Coordination, Traffic Signal Warrants and Design and Engineering Consultant Construction Management for Phase II						
13002-ROW Mapping	39,972.72	35,975.45		35,975.45	90.0	3,997.27
13020-ROW Map/Sub	279,000.00	249,000.00		249,000.00	89.2	30,000.00
15070-SUE / SUB	16,600.00	16,600.00		16,600.00	100.0	
16004-PS&E Develop.	1,192,948.32	805,240.12		805,240.12	67.5	387,708.20
16005-PS&E Update	65,993.04	19,797.91		19,797.91	30.0	46,195.13
16205-Sgnl Dsgn/Warr	34,905.16	4,188.62	1,047.15	5,235.77	15.0	29,669.39
16250-Sgnl Dsgn/Warr	228,553.99		27,444.51	27,444.51	12.0	201,109.48
16308-Permitted Utili	149,586.64	89,751.98		89,751.98	60.0	59,834.66
16403-Project Mngmnt	52,203.72	31,322.23	2,610.19	33,932.42	65.0	18,271.30
32001-Const. Mgmt	168,298.56				0.0	168,298.56
32004-Let Bid Packag	75,336.92				0.0	75,336.92
33001-Geotech Testin	95,951.44	95,951.44		95,951.44	100.0	
<b>TOTALS:</b>	<b>2,399,350.51</b>	<b>1,347,827.75</b>	<b>31,101.85</b>	<b>1,378,929.60</b>	<b>57.5</b>	<b>1,020,420.91</b>

\$ 31,101.85 — 721 (26%) = \$ 8,086.48  
— 841 (74%) = \$ 23,015.37

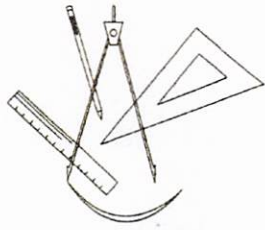
*[Signature]*  
PROJECT MANAGER'S SIGNATURE

ORIGINAL CONTRACT SUM \$ 2,399,350.51 ✓  
CHANGE BY CHANGE ORDER \$ 0.00 ✓  
CONTRACT SUM TO DATE \$ 2,399,350.51 ✓  
TOTAL COMPLETED TO DATE \$ 1,378,929.60 ✓  
LESS PREVIOUS INVOICES \$ 1,347,827.75 ✓  
CURRENT PAYMENT DUE \$ 31,101.85 ✓

PO # 796794  
4-1315-431-00-122-117-0-721  
Req # 391879  
\$ 8,086.48

INVOICE RECEIVED BY:  
Lupita Garza ON 07/03/24  
GOODS/SERVICES RECEIVED BY:  
Eduardo Cantu ON 06/01-30/24

PO # 796794  
4-1315-431-00-122-117-0-841  
Req # 391879  
\$ 23,015.37



July 1, 2024

Transportation Consultants

Mr. Armando Garza, Jr., Chief Administrator  
**Attn: Ms. Erika Zamora, Director of Administrative Operations**  
 Hidalgo County Precinct No. 2  
 300 West Hall Acres Rd  
 Pharr, Texas 78589

**RE: Cesar Chavez Road Project - Work Authorization No. 2**  
**Limits: Business 83 to E. Nolana Loop**  
**PO#796794 - L&G Project #151102**

Dear Mr. Garza,

We are submitting a monthly progress report in sufficient detail to support the progress of the work. Attached for your approval is our invoice for services rendered for the month of June 2024.

**Work Authorization #2 – To provide PS&E, ROW Mapping, Permitted Utilities Coordination, Traffic Signal Warrants and Design and Engineering Consultant Construction Management for Phase II**

TASK		% Complete
<b>FC 13002 ~ ROW MAPPING</b>		
<b>NO UPDATE:</b> L&G has continued to meet with QHA and modify the alignment as appropriate. L&G has also provided all of the design files for their ROW Mapping effort. L&G has discussed needed locations for the SUE potholes.	<b>L&amp;G</b>	<b>90%</b> ✓
<b>FC 13020 ~ ROW MAPPING / SUB</b>		
<b>NO UPDATE:</b> QH&A has completed 90% of the ROW Parcels & Title Reports.	<b>QH&amp;A</b>	<b>89.2%</b> ✓
<b>FC 15070 ~ SUB-SURFACE UTILITY ENGINEERING (POTHOLE) / SUB</b>		
<b>This task is Complete</b>	<b>QH&amp;A</b>	<b>100%</b> ✓
<b>FC 16004 ~ PS&amp;E DEVELOPMENT ROADWAY</b>		
<b>NO UPDATE:</b> We have continued the development of the plan set, including: typical sections, project layout, title sheet & P&P's and TCP layouts.	<b>L&amp;G</b>	<b>67.5%</b> ✓

<b>FC 16005 ~ UPDATE PS&amp;E BASED ON COMMENTS AS PROVIDED BY TxDOT (PHARR DISTRICT &amp; AUSTIN DIVISIONS)</b>		
<b>NO UPDATE:</b> L&G has updated the plans according to the comments received by TxDOT.	<b>L&amp;G</b>	<b>30%</b> ✓
<b>FC 16205 ~ TRAFFIC SIGNAL WARRANTS &amp; DESIGN</b>		
<b>UPDATE:</b> ETSI submitted a preliminary traffic warrant report. L&G Engineering reviewed the report and then submitted it to TxDOT for approval/comments.	<b>L&amp;G</b>	<b>15%</b> ✓
<b>FC 16250 ~ SIGNAL DESIGNS, ADJUSTMENTS &amp; WARRANTS / SUB</b>		
<b>UPDATE:</b> The preliminary traffic warrant report was completed and submitted to L&G Engineering for submittal to TxDOT for comments.	<b>ETSI</b>	<b>12%</b> ✓
<b>FC 16308 ~ PERMITTED UTILITIES COORDINATION</b>		
<b>NO UPDATE:</b> L&G continues to contact the utility companies present within the project limits.	<b>L&amp;G</b>	<b>60%</b> ✓
<b>FC 16403 ~ PROJECT MANAGEMENT</b>		
<b>UPDATE:</b> L&G continues all coordination efforts to assure all aspects of project development are adequately performed. Coordination meetings with our subs were held.	<b>L&amp;G</b>	<b>65%</b> ✓
<b>FC 32001 ~ ENGINEERING CONSULTANT CONSTRUCTION MANAGEMENT</b>		
<b>NO UPDATE:</b> This task has not started.	<b>L&amp;G</b>	<b>0%</b> ✓
<b>FC 32004 ~ DEVELOP LOCAL LET BID PACKAGE</b>		
<b>NO UPDATE:</b> This task has not started.	<b>L&amp;G</b>	<b>0%</b> ✓
<b>FC 33001 ~ GEOTECHNICAL TESTING AND PAVEMENT DESIGN FOR TxDOT</b>		
<b>NO UPDATE:</b> L&G has finalized the Pavement Design Report and corresponding Geotechnical Testing. This task is complete. <b>This task is complete.</b>	<b>L&amp;G</b>	<b>100%</b> ✓

Should you have any questions or require additional information, please do not hesitate to give me a call at (956) 585-1909.

Sincerely,



Armando J. Sandoval, P.E.  
Project Manager

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**ETSI GROUP LLC**  
5300 Hollister Rd., Suite 220  
Houston, Texas 77040  
Tel. (713) 956-9601  
Fax: (713) 956-9667

June 30, 2024

Mr. Jacinto Garza, P.E.,  
President  
L & G Engineering  
2100 W. Expressway 83  
Mercedes, Texas 78570

Reference: Traffic Signal Warrant Studies; Traffic Signal Design  
Along Cesar Chavez Road: From BUS 83 to Nolana Loop;  
in Hidalgo County, Texas

Dear Jacinto:

Attached for your handling is invoice no. G2024-11-1, for services provided in conjunction with the above referenced project. It reflects our effort from March 14, 2024 to June 30, 2024.

Also, attached is a progress report for the project.

Please let me know if you need additional information. Thank you for giving us the opportunity to assist you with this project.

Sincerely,



Harry C. Simeonidis, P.E.

Attachments

**ETSI GROUP LLC**

5300 Hollister Road, Suite 220  
Houston, Texas 77040  
Tel. (713) 956-9601  
Fax (713) 956-9667  
TAX ID: 88-3569149

**INVOICE**

INVOICE NUMBER: G2024-11-1  
INVOICE DATE: 06/30/2024  
FOR SERVICES PROVIDED FROM: 03/14/2024  
TO: 06/30/2024

**TO:**  
Mr. Jacinto Garza, P.E.  
President  
L & G Engineering  
2100 W. Expressway 83  
Mercedes, Texas 78570

PROJECT NAME:  
CESAR CHAVEZ RD  
FROM BUS 83 TO NOLANA LOOP  
TRAFFIC SIGNAL WARRANT STUDIES  
TRAFFIC SIGNAL DESIGN

TASK NO.	DESCRIPTION OF SERVICES PROVIDED	% COMPLETE	TOTAL FEE	AMOUNT INVOICED TO DATE	PREVIOUSLY INVOICED AMOUNT	AMOUNT DUE THIS INVOICE
1	TRAFFIC SIGNAL WARRANT STUDIES	90.93%	\$30,182.79	\$27,444.51	\$0.00	\$27,444.51
2	TRAFFIC SIGNAL DESIGN	0.00%	\$198,371.20	\$0.00	\$0.00	\$0.00
	TOTAL DUE	12.01%	\$228,553.99	\$27,444.51	\$0.00	\$27,444.51
TOTAL DUE THIS INVOICE _____						<u>\$27,444.51</u>

SHEET 1 OF 3

**PLEASE MAKE CHECKS PAYABLE TO:**

ETSI GROUP LLC  
Attn: Harry Simeonidis  
P.O. Box 550344  
Houston, TX 77255-0344

**THANK YOU FOR GIVING US THE OPPORTUNITY TO SERVE YOU**

*DBT*

**ETSI GROUP LLC**

5300 Hollister Road, Suite 220  
Houston, Texas 77040  
Tel. (713) 956-9601  
Fax (713) 956-9667  
TAX ID: 88-3569149

**INVOICE**

INVOICE NUMBER: G2024-11-1  
INVOICE DATE: 06/30/2024  
FOR SERVICES PROVIDED FROM: 03/14/2024  
TO: 06/30/2024

**TO:**  
Mr. Jacinto Garza, P.E.  
President  
L & G Engineering  
2100 W. Expressway 83  
Mercedes, Texas 78570

**PROJECT NAME:**  
CESAR CHAVEZ RD  
FROM BUS 83 TO NOLANA LOOP  
TRAFFIC SIGNAL WARRANT STUDIES  
TRAFFIC SIGNAL DESIGN

TASK NO.	DESCRIPTION OF SERVICES PROVIDED	% COMPLETE	TOTAL FEE	AMNT INVOICED
<u>TASK 1 - TRAFFIC SIGNAL WARRANTS STUDIES</u>				
A.1	DATA COLLECTION & FIELD INVESTIGATION	90.00	\$5,443.00	\$4,898.70
A.2	ASSESSMENT OF COLLECTED DATA	90.00	\$1,360.75	\$1,224.68
A.3	CRASH ANALYSIS	90.00	\$2,435.24	\$2,191.72
A.4	COLLISION DIAGRAMS	90.00	\$1,503.99	\$1,353.59
A.5	INTERSECTION EXHIBITS	90.00	\$1,503.99	\$1,353.59
A.6	WARRANT ANALYSES	90.00	\$7,854.34	\$7,068.91
A.7	PHOTO ALBUM	90.00	\$453.58	\$408.22
A.8	RECOMMENDATIONS	90.00	\$1,217.56	\$1,095.80
A.9	WARRANT STUDY REPORT	90.00	\$5,610.34	\$5,049.31
	<u>EXPENSES (TRAFFIC COUNTS)</u>	100.00	2,800.00	\$2,800.00
				\$0.00
	SUBTOTAL	90.93%	\$30,182.79	\$27,444.51

**ETSI GROUP LLC**

5300 Hollister Road, Suite 220  
 Houston, Texas 77040  
 Tel. (713) 956-9601  
 Fax (713) 956-9667  
 TAX ID: 88-3569149

**INVOICE**

INVOICE NUMBER: G2024-11-1  
 INVOICE DATE: 06/30/2024  
 FOR SERVICES PROVIDED FROM: 03/14/2024  
 TO: 06/30/2024

**TO:**  
 Mr. Jacinto Garza, P.E.  
 President  
 L & G Engineering  
 2100 W. Expressway 83  
 Mercedes, Texas 78570

**PROJECT NAME:**  
 CESAR CHAVEZ RD  
 FROM BUS 83 TO NOLANA LOOP  
 TRAFFIC SIGNAL WARRANT STUDIES  
 TRAFFIC SIGNAL DESIGN

TASK NO.	DESCRIPTION OF SERVICES PROVIDED	% COMPLETE	TOTAL FEE	AMNT INVOICED
<u>TASK 2 - TRAFFIC SIGNAL DESIGN</u>				
B.1	GENERAL NOTES	0.00	\$2,464.87	\$0.00
B.2	BASIS OF ESTIMATE	0.00	\$9,811.72	\$0.00
B.3	CONDITION DIAGRAMS	0.00	\$25,179.84	\$0.00
B.4	PROPOSED SIGNAL/FLASHING BEACON LAYOUTS	0.00	\$46,665.36	\$0.00
B.5	SIGNAL PHASING, TIMING	0.00	\$11,698.66	\$0.00
B.6	ELECTRICAL SCHEDULES	0.00	\$23,779.36	\$0.00
B.7	INTERSECTION MARKINGS, CURB CHAIR RAMPS	0.00	\$10,420.48	\$0.00
B.8	STANDARD SHEETS LIST	0.00	\$8,374.38	\$0.00
B.9	SPECIFICATIONS	0.00	\$7,728.82	\$0.00
B.10	COORDINATION AND MEETINGS	0.00	\$7,305.98	\$0.00
B.11	TEMPORARY TRAFFIC SIGNALS	0.00	\$43,591.73	\$0.00
	<u>EXPENSES: TRAVEL</u>	0.00	1,350.00	\$0.00
	SUBTOTAL	0.00%	\$198,371.20	\$0.00

*D.S.T.*

CESAR CHAVEZ ROAD: FROM BUS 83 TO NOLANA LOOP  
TRAFFIC SIGNAL WARRANT STUDIES  
TRAFFIC SIGNAL DESIGN  
PROGRESS REPORT AS OF JUNE 30, 2024

ETSI's work progress this period can be summarized as follows:

**TASK 1 – TRAFFIC SIGNAL WARRANT STUDIES**

**1 – Collect Data and Conduct Field Investigation (90% Complete)**

- Completed

**2 – Assess collected data (90% Complete)**

- Completed

**3 – Crash Analysis (90% Complete)**

- Completed

**4 – Collision Diagrams (90% Complete)**

- Completed

**5 – Intersection Exhibits (90% Complete)**

- Completed

**6 – Warrant Analyses (90% Complete)**

- Completed

**7 – Photo Album (90% Complete)**

- Completed

**8 - Recommendations (90% Complete)**

- Completed

**9 – Warrant Study Report (90% Complete)**

- Completed

**PENDING ISSUES FOR TASK 1:**

- None

## **TASK 2 – TRAFFIC ENGINEERING DESIGN**

### **1 – General Notes for Traffic Signal Installation (0% Complete)**

- No work

### **2 – Basis of Estimate (0% Complete)**

- No work

### **3 – Condition Diagrams (0% Complete)**

- No work

### **4 – Proposed Signal Layouts (0% Complete)**

- No work

### **5 – Signal Phasing and Timing (0% Complete)**

- No work

### **6 – Electrical Schedules (0% Complete)**

- No work

### **7 – Intersection Signing, Pavement Markings and Curb Ramps (0% Complete)**

- No work

### **8 – Standard Sheets List (0% complete)**

- No work

### **9 – Specifications List and Cost Estimate (0% Complete)**

- No work

### **10 – Coordination and Meetings (0% complete)**

- No work

## **PENDING ISSUES FOR TASK 2:**

None

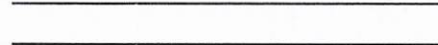
Project Sponsor: Hidalgo County Precinct #2

**PROJECT DEVELOPMENT SCHEDULE**  
**Cesar Chavez Rd. (CSJ: 0921-02-405)**  
**From BUS 83 to Nolana Loop**  
**Length = 2.8 miles**

TASK AND DESCRIPTION	FIRM	2022	2023				2024												2025				2026					
			Q1	Q2	Q3	Q4	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
<b>FUNDING AGREEMENT w/ TxDOT</b>																												
AFA (Executed)	TxDOT																											
<b>Phase I: Schematic &amp; Environmental</b>																												
<b>SCHEMATIC</b>																												
Develop Schematic & TxDOT Approval (COMPLETE)	L&G																											
Public Meeting (COMPLETE)	L&G																											
<b>ENVIRONMENTAL</b>																												
Open End-D Listed CE (Completed)	L&G																											
<b>Phase II: PS&amp;E and ROW Acquisition Services</b>																												
<b>PS&amp;E</b>																												
Design Survey	L&G																											
Outfall Coordination with HCDD #1	L&G																											
30% PS&E Completion	L&G																											
60% PS&E Completion	L&G																											
90% PS&E Completion	L&G																											
95% PS&E Completion	L&G																											
100% PS&E Completion	L&G																											
TxDOT Plan Set Approval	TxDOT																											
<b>ROW Map</b>																												
Prepare ROW Map	L&G																											
TxDOT Review & ROWIS Programming	TxDOT																											
<b>ROW Acquisition (Est. 93 Parcels)</b>																												
Project Administration	L&G																											
ROW Acquisition	L&G																											
<b>Phase III: Construction</b>																												
Receive Bids for Construction (MPO FY 2027)	County																											
Construction Duration (35 Months)	County																											

REVISED 05/24/2024, By: Damien T.

L&G
TxDOT
COUNTY





# Purchase Order COUNTY OF HIDALGO

**PO#** 796794

**DATE:** 04/12/19

**PAGE NO:** 1 Of 1

**PO TYPE:**

**VENDOR:** 280046

**REQ:** 00391879

**PHONE:** (956) 565-9813

**Fax:** (956) 565-6746

**EMAIL:**

**SHIP TO:** HIDALGO CO. PCT 2

300 WEST HALL ACRES, SUITE G  
PHARR TX 78577

L & G CONSULTING ENGINEERS, INC.  
2100 W. EXPRESSWAY 83  
MERCEDAS TX 78570

**VENDOR ACCOUNT:**

**CONTACT:** EDUARDO CANTU (956) 787-1891

**SITE:** COMMISSIONER, PRECINCT 2

**CONTRACT NO:** C-15-300-09-01

**SPECIAL INSTRUCTIONS:**

**VENDOR NOTES**

1. Do not add to, or alter this Purchase Order. This Order is not renewable.
2. TAX EXEMPTION: This Purchase Order may be accepted in lieu of Exemption Certificate.
3. This Order is also placed F.O.B. Destination. Vendor must repay all shipping costs.
4. Invoice each Purchase Order singly. Original invoices are required customer copy may be accepted. Out number must appear on all invoices, bills of lading, and packages.
5. Payment will be made only for bona fide and full completed orders, unless otherwise attached.

QTY	UOM	DESCRIPTION	UNIT PRICE	AMOUNT
		DO NOT DUPLICATE ORDER		
		C-15-300-09-01 - PCT 2 CESAR CHAVEZ (BUS 83-NOLANA LOOP) RD PROJECT - ENGINEERING SERVICES		
		WORK AUTH NO. 2 APPROVED BY CC 3/12/19 AI#69320 ICA W SAN JUAN & ALAMO APPROVED BY CC 9/1/15 AI#51086		
1.00	LOT	CC WORK AUTHORIZATION NO. 2 FOR THE ENGINEER TO PROVIDE PS&E, ROW MAPPING, PERMITTED UTILITIES COORDINATION, TRAFFIC SIGNAL WARRANTS, AND DESIGN AND ENGINEERING CONSULTANT CONST. MANAGEMENT FOR THE PCT 2 CESAR CHAVEZ (BUS 83 TO NOLANA LOOP) ROAD PROJECT	2,399,350.5100	2,399,350.51
1.00		3/11/20 TEMPORARILY LIQUIDATE P.O. AMT TO RECLASSIFY TO FUNDS FROM 1353 TO FUND 1315 B#006133 DM	.0000	.00
1.00		3/11/20 TEMPORARILY LIQUIDATE P.O. AMT TO RECLASSIFY FUNDS FROM 1350 TO FUND 1315 B#006133 DM	.0000	.00
1.00		3/11/20 TEMPORARILY LIQUIDATE P.O. AMT TO RECLASSIFY FUNDS FROM FUND 1200 OBJ 841 TO FUND 1315 B#006133 DM	.0000	.00
1.00		3/11/20 TEMPORARILY LIQUIDATE P.O. AMT TO RECLASSIFY TO FUNDS FROM FUND 1200 OBJ 721 TO FUND 1315 B#006133 DM	.0000	.00
1.00		3/11/20 TEMPORARILY LIQUIDATE P.O. AMT TO RECLASSIFY FUNDS FROM FUND 1200 OBJ 710 TO FUND 1315 B#006133 DM	.0000	.00
<b>TOTAL:</b>				2,399,350.51
***** For Hidalgo County use only				
		4-1200-431-00-122-117-0-710	3,126.18	
		4-1200-431-00-122-117-0-721	225,683.59	
		4-1315-431-00-122-117-0-710	304,550.57	
		4-1315-431-00-122-117-0-721	315,838.21	
		4-1315-431-00-122-117-0-841	898,924.12	
		4-1350-431-00-122-117-0-841	651,227.84	

**Authorized by:** Ignacio Amigosa