

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

INVOICE #: 11329888
INVOICE DATE: 10/31/24

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

JOB: 151103
Cesar Chavez Rd WA#3 PO#795673
(From: Ridge Rd to Bus 83)

RECEIVED NOV 01 2024

DESCRIPTION	CONTRACT	PREVIOUS APPLICATIONS	CURRENT COMPLETED	TOTAL COMPLETED	% COMPL	BALANCE TO FINISH
Engineering services for the month of October 2024. ✓						
Work Authorization #3 - 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	9,990.16 ✓	8,991.14 ✓		8,991.14 ✓	90.0	999.02 ✓
13020-ROW Map/Sub	60,000.00 ✓	54,000.00 ✓		54,000.00 ✓	90.0	6,000.00 ✓
15070-SUE / SUB	4,800.00 ✓	4,800.00 ✓		4,800.00 ✓	100.0	
16004-PS&E DeveTop.	496,790.00 ✓	422,271.50 ✓	9,935.80 ✓	432,207.30 ✓	87.0	64,582.70 ✓
16005-PS&E Update	16,440.88 ✓	9,864.53 ✓		9,864.53 ✓	60.0	6,576.35 ✓
16205-Sgnl Dsgn/Warr	6,915.80 ✓	2,766.32 ✓	345.79 ✓	3,112.11 ✓	45.0	3,803.69 ✓
16250-Sgnl Dsgn/Warr	50,508.55 ✓	14,885.60 ✓	8,218.51 ✓	23,104.11 ✓	45.7	27,404.44 ✓
16308-Permitted Utili	32,042.20 ✓	27,235.87 ✓	640.84 ✓	27,876.71 ✓	87.0	4,165.49 ✓
16403-Project Mngmnt	23,356.68 ✓	19,853.18 ✓	467.13 ✓	20,320.31 ✓	87.0	3,036.37 ✓
32001-Const. Mgmt	67,925.84 ✓				0.0	67,925.84 ✓
32004-Let Bid Packag	50,397.76 ✓	7,559.66 ✓	2,519.89 ✓	10,079.55 ✓	20.0	40,318.21 ✓
33001-Geotech Testin	31,287.20 ✓	31,287.20 ✓		31,287.20 ✓	100.0	
TOTALS:	850,455.07	603,515.00	22,127.96	625,642.96	73.6	224,812.11

ORIGINAL CONTRACT SUM \$ 850,455.07 ✓
CHANGE BY CHANGE ORDER \$ 0.00
CONTRACT SUM TO DATE \$ 850,455.07 ✓
TOTAL COMPLETED TO DATE \$ 625,642.96 ✓
LESS PREVIOUS INVOICES \$ 603,515.00 ✓

PROJECT MANAGER'S SIGNATURE

CURRENT PAYMENT DUE \$ 22,127.96 ✓

PO # 795673

4 -1315-431-00-122-156-0-841

Req # 390913

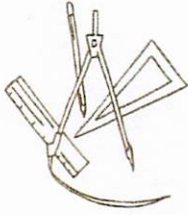
\$22,127.96

INVOICE RECEIVED BY:

Lupita Garza ON 11/01/24
GOODS/SERVICES RECEIVED BY:

Eduardo Cantu ON 10/01-31/24

11/4/24



November 1, 2024

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. 3
Limits: Ridge Road to Business 83
PO#795673 - L&G Project#151103

Dear Mr. Garza,

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

The Following is attached:

- L&G's Invoice
- Exhibit C – Work Schedule

Work Authorization #3 – To provide PS&E, ROW Mapping, Permitted Utilities Coordination, Traffic Signal Warrants and Design and Engineering Consultant Construction Management for Phase II


TASK		% Complete
FC 13002 ~ ROW MAPPING		
NO UPDATE: L&G has met with QHA and provided all of the design files for their ROW Mapping effort. L&G has discussed final locations for the SUE potholes needed.	L&G	90% ✓
FC 13020 ~ ROW MAPPING / SUB		
NO UPDATE: QH&A has completed 90% of the ROW Parcels & Title Reports.	QH&A	90% ✓
FC 15070 ~ SUB-SURFACE UTILITY ENGINEER (POTHOLES) / SUB		
NO UPDATE: QH&A has completed 100% of the SUE Potholes. This task is complete.	QH&A	100% ✓

FC 16004 ~ PS&E DEVELOPMENT ROADWAY		
<p>UPDATE: We have continued the development of the plan set, including: typical sections, project layout, title sheet & P&P's and tcp layouts. Drainage design has been completed. The U&D sheets have been updated with the latest drainage information and utility callouts. The 60% set of plans is being prepared for submittal.</p> <p>The 60% PS&E has been submitted to TxDOT for their review. The TxDOT 60% PS&E checklist was submitted as well.</p> <p>L&G Engineering continues to develop the 90% PS&E. Updates to the Traffic Control sheets is on-going. The Sequence of Construction is being updated to include railroad construction for both the surface construction as well as the drainage pipe construction under the railroad. Quantities are being updated accordingly.</p> <p>Updates to the U&D, P&P, and Irrigation Layouts are on-going.</p> <p>Final updates to the TCP are being finalized. Quantities are being finalized.</p>	L&G	87% ✓
FC 16005 ~ UPDATE PS&E BASED ON COMMENTS AS PROVIDED BY TxDOT (PHARR DISTRICT & AUSTIN DIVISIONS)		
<p>No UPDATE: The 30% set of plans was updated based on comments that were done to the plan set.</p> <p>The 60% set of plans was submitted to TxDOT for comments.</p>	L&G	60% ✓
FC 16205 ~ TRAFFIC SIGNAL WARRANTS & DESIGN		
<p>UPDATE: ETSI submitted a preliminary traffic warrant report. L&G Engineering reviewed the report and then submitted it to TxDOT for approval/comments.</p> <p>L&G provided ETSI with DGN files (Alignment, Roadway, Drainage, TCP...etc.....) for their use in their signal design. Coordination meetings were held with ETSI.</p>	L&G	45% ✓
FC 16250 ~ SIGNAL DESIGNS, ADJUSTMENTS & WARRANTS		
<p>UPDATE: The preliminary traffic warrant report was completed and submitted to L&G Engineering for submittal to TxDOT for comments. Coordination meetings were held with L&G Engineering. L&G provided ETSI with the project's DGN design files for use in our signal design. Work on the condition diagrams has begun. The proposed signal layout sheets have been created and we have begun to populate them with the necessary information. Signal phasing and timing work has begun. Intersection signing, pavement markings, and curb ramps are being developed as part of the traffic signal layouts.</p>	ETSI	45.7% ✓
FC 16308 ~ PERMITTED UTILITIES COORDINATION		
<p>UPDATE: L&G continues to contact the utility companies present within the project limits.</p> <p>The 60% set of plans is being prepared to be submitted to the utility companies, so that coordination can continue. U&D sheets have been updated with the latest drainage information/design.</p> <p>The 60% set of plans has been completed and submitted to TxDOT. The updated U&D sheets have been completed and have been submitted to the utility companies for their review and comment.</p> <p>Coordination is ongoing with the utility companies. Correspondence between the City of Alamo and City of San Juan is ongoing.</p>	L&G	87% ✓

Utility coordination continues with the utility companies. Coordination meetings were held with the City to coordinate their sanitary sewer and water line extensions. L&G supplied the City with the roadway and right-of-way files for their use. Coordination meetings were held with the City of Alamo and the City of San Juan to discuss their sanitary sewer line placement. Irrigation district comment clarifications were submitted to the irrigation district. Coordination continues with the utilities.		
FC 16403 ~ PROJECT MANAGEMENT		
Update: L&G continues all coordination efforts to assure all aspects of project development are adequately performed. Coordination continues with ETSI for all signal work. Meetings were held with TxDOT. Meetings were held with our ROW group. Coordination continues with the ROW group and Surveyor. Coordination continues with ETSI for all signal work and signal warrant design. Coordination meetings were held with Hidalgo County Precinct 2 and the irrigation district. Coordination meetings with our subs were held. Coordination meetings were held with the City of Alamo, the irrigation district, and Benech (UPRR consultant). Coordination meetings with our subs were held. Coordination meetings were held with the Hidalgo County Pct. No. 2, City of Alamo, the irrigation district, and Benech (UPRR consultant).	L&G	87% ✓
FC 32001 ~ ENGINEERING CONSULTANT CONSTRUCTION MANAGEMENT		
NO UPDATE: This task has not started.	L&G	0% ✓
FC 32004 ~ DEVELOPE LOCAL LET BID PACKAGE		
Update: Construction cost estimate is being updated. Specification list is being generated.	L&G	20% ✓
FC 33001 ~ GEOTECHNICAL TESTING AND PAVEMENT DESIGN FOR TxDOT		
This task is complete.	L&G	100% ✓

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

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

October 31, 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; RR Crossing Design
Along Cesar Chavez Road: From Ridge Road to BUS 83;
in Hidalgo County, Texas

Dear Jacinto:

Attached for your handling is invoice no. G2024-10-2, for services provided in conjunction with the above referenced project. It reflects our effort from July 1, 2024 to October 31, 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: G2024-10-2
INVOICE DATE: 10/31/2024
FOR SERVICES PROVIDED FROM: 07/01/2024
TO: 10/31/2024

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

PROJECT NAME:
CESAR CHAVEZ RD
FROM RIDGE RD TO BUS 83
TRAFFIC SIGNAL WARRANT STUDIES
TRAFFIC SIGNAL DESIGN
RR CROSSING 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	90.00%	\$2,057.86	\$1,852.07	\$1,852.07	\$0.00
2	TRAFFIC ENGINEERING DESIGN	23.20%	\$35,417.16	\$8,218.51	\$0.00	\$8,218.51
3	RR CROSSING DESIGN (Supplemental)	46.80%	\$16,424.24	\$7,687.12	\$7,687.12	\$0.00
	TOTAL DUE	32.95%	\$53,899.26	\$17,757.70	\$9,539.19	\$8,218.51

TOTAL DUE THIS INVOICE _____ **\$8,218.51**

SHEET 1 OF 4

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: G2024-10-2
INVOICE DATE: 10/31/2024
FOR SERVICES PROVIDED FROM: 07/01/2024
TO: 10/31/2024

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

PROJECT NAME:
CESAR CHAVEZ RD
FROM RIDGE RD TO BUS 83
TRAFFIC SIGNAL WARRANT STUDIES
TRAFFIC SIGNAL DESIGN
RR CROSSING 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	\$170.09	\$153.08
A.2	ASSESSMENT OF COLLECTED DATA	90.00	\$170.09	\$153.08
A.3	ACCIDENT ANALYSIS	90.00	\$101.46	\$91.31
A.4	COLLISION DIAGRAMS	90.00	\$170.09	\$153.08
A.5	INTERSECTION EXHIBITS	90.00	\$170.09	\$153.08
A.6	WARRANT ANALYSES	90.00	\$373.04	\$335.74
A.7	PHOTO ALBUM	90.00	\$56.70	\$51.03
A.8	RECOMMENDATIONS	90.00	\$304.38	\$273.94
A.9	WARRANT STUDY REPORT	90.00	\$429.74	\$386.77
	<u>EXPENSES (TRAVEL)</u>	90.00	112.18	\$100.96
	SUBTOTAL	90.00%	\$2,057.86	\$1,852.07

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: G2024-10-2
 INVOICE DATE: 10/31/2024
 FOR SERVICES PROVIDED FROM: 07/01/2024
 TO: 10/31/2024

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

PROJECT NAME:
 CESAR CHAVEZ RD
 FROM RIDGE RD TO BUS 83
 TRAFFIC SIGNAL WARRANT STUDIES
 TRAFFIC SIGNAL DESIGN
 RR CROSSING 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	\$975.88	\$0.00
B.2	BASIS OF ESTIMATE	0.00	\$2,452.98	\$0.00
B.3	CONDITION DIAGRAMS	20.00	\$5,580.26	\$1,116.05
B.4	PROPOSED SIGNAL LAYOUTS	40.00	\$10,354.84	\$4,141.94
B.5	SIGNAL PHASING, TIMING	40.00	\$2,584.46	\$1,033.78
B.6	ELECTRICAL SCHEDULES	0.00	\$5,246.28	\$0.00
B.7	INTERSECTION MARKINGS, CURB CHAIR RAMPS	60.00	\$2,315.66	\$1,389.40
B.8	STANDARD SHEETS LIST	0.00	\$1,838.44	\$0.00
B.9	SPECIFICATIONS AND COST ESTIMATES	0.00	\$1,694.98	\$0.00
B.10	COORDINATION AND MEETINGS	10.00	\$1,623.38	\$162.34
	<u>EXPENSES: TRAVEL</u>	50.00	750.00	\$375.00
	SUBTOTAL	23.20%	\$35,417.16	\$8,218.51

ETSI GROUP LLC

INVOICE

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

INVOICE NUMBER: G2024-10-2
 INVOICE DATE: 10/31/2024
 FOR SERVICES PROVIDED FROM: 07/01/2024
 TO: 10/31/2024

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

PROJECT NAME:
 CESAR CHAVEZ RD
 FROM RIDGE RD TO BUS 83
 TRAFFIC SIGNAL WARRANT STUDIES
 TRAFFIC SIGNAL DESIGN
 RR CROSSING DESIGN

TASK NO.	DESCRIPTION OF SERVICES PROVIDED	% COMPLETE	TOTAL FEE	AMNT INVOICED
	<u>TASK 3 - RR CROSSING DESIGN</u>			
C.1	COORDINATION AND MEETINGS	50.00	\$1,790.48	\$895.24
C.2	INTERCONNECTED HWY-RAIL GRADE CROSSING	50.00	\$13,583.76	\$6,791.88
	<u>EXPENSES: TRAVEL</u>	0.00	1,050.00	\$0.00
	SUBTOTAL	46.80%	\$16,424.24	\$7,687.12

CESAR CHAVEZ ROAD: FROM RIDGE RD TO BUS 83
TRAFFIC SIGNAL WARRANT STUDIES,
TRAFFIC SIGNAL DESIGN
RR CROSSING DESIGN
PROGRESS REPORT AS OF OCTOBER 31, 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)

- Pending

2 – Basis of Estimate (0% Complete)

- Pending

3 – Condition Diagrams (20% Complete)

- In Progress

4 – Proposed Signal Layouts (40% Complete)

- In Progress

5 – Signal Phasing and Timing (40% Complete)

- In Progress

6 – Electrical Schedules (0% Complete)

- Pending

7 – Intersection Signing, Pavement Markings and Curb Ramps (60% Complete)

- In progress

8 – Standard Sheets List (0% complete)

- Pending

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

- Pending

10 – Coordination and Meetings (10% complete)

- Ongoing

PENDING ISSUES FOR TASK 2:

None

TASK 3 – RR CROSSING DESIGN

1 – Coordination and Meetings (50% Complete)

- In Progress

2 – Interconnected Highway Rail Grade Crossing (50% Complete)

- In Progress

PENDING ISSUES FOR TASK 3:

None



Purchase Order COUNTY OF HIDALGO

PO# 795673

DATE: 03/26/2019

PAGE: 1 Of 1

PO TYPE:

VENDOR: 280046

REQ: 00390913

PHONE: (956) 565-9813

BUYER:

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
MERCEDES TX 78570

VENDOR ACCOUNT:

CONTACT: EDUARDO CANTU (956) 787-1891

SITE: COMMISSIONER, PRECINCT 2

CONTRACT: 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 WORK AUTH NO. 3 APPROVED BY CC 3/12/19 AI#69322 C-15-300-09-01 EXPIRES 12/31/2020 - TXDOT-PCT 2 CESAR CHAVEZ RD (BUS83-RIDGE RD) PROJECT - ENGINEERING SERVICES		
1.00	LOT	CC WORK AUTHORIZATION NO. 3 FOR 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 ROAD (BUS 83-RIDGE ROAD) PROJECT	850,455.0700	850,455.07
		TOTAL:		850,455.07
		REPORT ROAD HAZARDS 1-866-HCR-SAFE OR 1-866-427-7233		
		***** For Hidalgo County use only		
		4-1315-431-00-122-156-0-841		850,455.07

Authorized by: Ignacio Amigues