

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

INVOICE #: 11326619 ✓
INVOICE DATE: 11/30/17 ✓

BILL TO: 93

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

JOB: 170301

Nolana Loop WA#1
 Segment 1 - FM 1426 to FM 907
 PO#760468 ✓

DESCRIPTION	CONTRACT	PREVIOUS APPLICATIONS	CURRENT COMPLETED	TOTAL COMPLETED	% COMPL	BALANCE TO FINISH
Engineering services for the month of November 2017 ✓						
11003-PS&E Develop	835,427.32 ✓	375,942.29 ✓	41,771.37 ✓	417,713.66 ✓	50.0	417,713.66 ✓
13002-ROW Mapping	20,149.60 ✓	10,074.80 ✓	8,059.84 ✓	18,134.64 ✓	90.0	2,014.96 ✓
13020-ROW Map/Sub	185,500.00 ✓				0.0	185,500.00 ✓
16006-Plans to TxDot	108,038.08 ✓				0.0	108,038.08 ✓
16204-Signal Warrant	25,128.09 ✓	12,564.05 ✓	11,307.64 ✓	23,871.69 ✓	95.0	1,256.40 ✓
16205-Signal Design	14,180.61 ✓				0.0	14,180.61 ✓
16240-Signal Warrant	14,180.61 ✓	4,376.55 ✓	9,318.36 ✓	13,694.91 ✓	96.6	485.70 ✓
16250-Signal Design	50,530.49 ✓				0.0	50,530.49 ✓
16308-Permitted Utili	88,245.06 ✓	39,710.28 ✓	4,412.25 ✓	44,122.53 ✓	50.0	44,122.53 ✓
33001-Geotech Eng.	95,961.24 ✓		19,192.25 ✓	19,192.25 ✓	20.0	76,768.99 ✓
TOTALS:	1,437,341.10 Λ	442,667.97 Λ	94,061.71 Λ	536,729.68 Λ	37.3	900,611.42 Λ

\$ 86,001.87 x 40% = \$34,400.75 obj. 721 (a)
 \$ 86,001.87 x 60% = \$51,601.12 obj. 841 (b)

ORIGINAL CONTRACT SUM \$ 1,437,341.10 ✓
 CHANGE BY CHANGE ORDER \$ 0.00 ✓
 CONTRACT SUM TO DATE \$ 1,437,341.10 ✓
 TOTAL COMPLETED TO DATE \$ 536,729.68 ✓
 LESS PREVIOUS INVOICES \$ 442,667.97 ✓

PROJECT MANAGER'S SIGNATURE

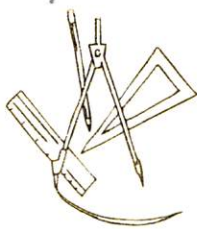

CURRENT PAYMENT DUE \$ 94,061.71 ✓

\$ 8,059.84 x 43% = \$3,465.73 → x40% = \$1,386.29 obj. 721 (a)
 → x60% = \$2,079.44 obj. 841 (b)
 \$ 8,059.84 x 57% = \$4,594.11 → x40% = \$1,837.64 obj. 710 (a)
 → x60% = \$2,756.47 obj. 841 (b)

INVOICE RECEIVED BY: Eddie Cantu ON 12/1/17
 GOODS/SERVICES RECEIVED BY: Eddie Cantu ON 11/01-30/17

(a)	(b)	(c)
34,400.75	51,601.12	1,837.64
1,386.29	2,079.44	
<u>35,787.04</u>	<u>2,756.47</u>	
	56,437.03	

PO# 760468
7-1315-431-00-122-136-0-710 = \$1,837.64
 Req# 340873
 721 = \$35,787.04
 841 = \$56,437.03



L&G Consulting Engineers, Inc.

December 1, 2017

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: Nolana Loop Project WA#1
Segment 1 ~ FM 1426 (Raul Longoria) to FM 907 (Alamo Road)
PO #760468 – L&G Project #170301

Dear Mr. Garza,

Attached for your review and approval is our invoice for the services rendered under Work Authorization #1 on the subject referenced project for the month of November 2017.

Attached are the following:

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

Work Authorization #1

TASK		% COMPL
FC 11003 ~ PS&E DEVELOPMENT		
UPDATED: We continue to develop the plan set, including: typical sections, project layout, title sheet, TCP layouts, P&P Layouts, etc...	L&G	50% <i>✓</i>
FC 13002 ~ COORDINATION AND MANAGMEENT OF SUBCONSULTANT FOR ROW MAP, FIELD & DESIGN SURVEY		
UPDATED: L&G has reviewed the surveyor's final map and field survey data and provided comments. We await their final submittal.	L&G	90% <i>✓</i>
FC 13020 ~ ROW MAPPING, FIELD SURVEYS FOR DESIGN SURVEY		
NO UPDATE: CDS Muery continues to develop the ROW Map. They have submitted their final map for our review. They have advised that they will submit an invoice once we have approved their map.	CDS MUERY	0% <i>✓</i>
FC 16006 ~ COORDINATION WITH TxDOT FOR APPROVAL OF THE PLANS WITH FHWA OVERSIGHT		
NO UPDATE: This task has not started.	L&G	0% <i>✓</i>

FC 16204 ~ TRAFFIC SIGNAL WARRANTS STUDIES AT TWO INTERSECTIONS, NOLANA LOOP AT CESAR CHAVEZ AND NOLANA LOOP AT FM 907		
UPDATED: L&G continues to develop the traffic layouts to determine the needed count locations for all turning movements. L&G has performed all of the traffic counts at these locations for use in the traffic signal warrant studies. L&G has reviewed ETSI's preliminary warrant study and has provided comment.	L&G	95% _d
FC 16205 ~ TRAFFIC SIGNAL DESIGNS AT THREE INTERSECTIONS, NOLANA LOOP AT FM 1426, NOLANA LOOP AT CESAR CHAVEZ AND NOLANA LOOP AT FM 907		
NO UPDATE: This task has not started.	L&G	0% _/
FC 16240 ~ TRAFFIC SIGNAL WARRANTS STUDIES AT TWO INTERSECTIONS, NOLANA LOOP AT CESAR CHAVEZ AND NOLANA LOOP AT FM 907		
UPDATED: ETSI has provided the draft final report for review. They are now working on the final report.	ETSI	96.6% _d
FC 16250 ~ TRAFFIC SIGNAL DESIGNS AT THREE INTERSECTIONS, NOLANA LOOP AT FM 1426, NOLANA LOOP AT CESAR CHAVEZ AND NOLANA LOOP AT FM 907		
NO UPDATE: This task has not started.	ETSI	0% _/
FC 16308 ~ PERMITTED UTILITIES COORDINATION		
UPDATED: L&G continues to coordinate with the utility companies present on the project. We have received several system maps and have begun placing them on our U&D sheets.	L&G	50% _d
FC 33001 ~ GEOTECHNICAL TESTING AND PAVEMENT DESIGN		
UPDATED: L&G has researched the existing pavement structure & NRCS Soil Survey and Geologic Atlas info for preliminary subgrade evaluation. Additionally, L&G has performed informal site investigation for existing pavement distresses & concerns. L&G has also begun investigation of traffic modeling in the vicinity of the project.	L&G	20% _d

Should you have any questions regarding this submittal or would like clarification on any aspect of the project, please do not hesitate to call me at (956) 585-1909.

Sincerely,

Robert Macheska, P.E., CFM
Project Manager

Attachments

ERGONOMIC TRANSPORTATION SOLUTIONS, INC.

5300 Hollister Rd., Suite 220

Houston, Texas 77040

Tel. (713) 956-9601

Fax: (713) 956-9667

November 30, 2017

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

Reference: Invoice no. 2017-4-2 – Nolana Loop: From FM1426 (Raul Longoria Road) to FM 907 (Alamo Road): Traffic Signal Design and Warrant Studies

Dear Jacinto:

Attached for your handling is invoice no. 2017-4-2, for services provided in conjunction with the above referenced project. It reflects our effort during the month of November 2017.

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

5300 Hollister Road, Suite 220
 Houston, Texas 77040
 Tel. (713) 956-9601
 Fax (713) 956-9667
 TAX ID: 76-0583436

INVOICE NUMBER: 2017-4-2
 INVOICE DATE: 11/30/2017
 FOR SERVICES PROVIDED FROM: 11/01/2017
 TO: 11/30/2017

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

PROJECT NAME:
 NOLANA LOOP
 FM 1426 TO FM 907
 SIGNAL WARRANTS, SIGNAL DESIGN

TASK NO.	DESCRIPTION OF SERVICES PROVIDED	% COMPLETE	TOTAL FEE	AMOUNT INVOICED TO DATE	PREVIOUSLY INVOICED AMOUNT	AMOUNT DUE THIS INVOICE
INVOICE SUMMARY	CATEGORY A - TRAFFIC SIGNAL DESIGN	0.00%	\$50,530.49	\$0.00	\$0.00	\$0.00
	CATEGORY B - TRAFFIC SIGNAL WARRANTS	96.57%	\$14,180.61	\$13,694.91	\$4,376.55	\$9,318.36
	TOTAL DUE	21.16%	\$64,711.10	\$13,694.91	\$4,376.55	\$9,318.36

TOTAL DUE THIS INVOICE: _____ **\$9,318.36**

PLEASE MAKE CHECKS PAYABLE TO:
 Ergonomic Transportation Solutions, Inc.
 Attn: Harry Simeonidis
 P.O. Box 926333
 Houston, TX 77292-6333

THANK YOU FOR GIVING US THE OPPORTUNITY TO SERVE YOU

ERGONOMIC TRANSPORTATION SOLUTIONS, INC.

INVOICE

5300 Hollister Road, Suite 220
 Houston, Texas 77040
 Tel. (713) 956-9601
 Fax (713) 956-9667
 TAX ID: 76-0583436

INVOICE NUMBER: 2017-4-2
 INVOICE DATE: 11/30/2017
 FOR SERVICES PROVIDED FROM: 11/01/2017
 TO: 11/30/2017

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

PROJECT NAME:
 NOLANA LOOP
 FM 1426 TO FM 907
 SIGNAL WARRANTS, SIGNAL DESIGN

TASK NO.	DESCRIPTION OF SERVICES PROVIDED	% COMPLETE	TOTAL FEE	AMNT INVOICED
<u>CATEGORY A - TRAFFIC SIGNAL DESIGN</u>				
A.1	GENERAL NOTES	0.00	\$857.26	\$0.00
A.2	BASIS OF ESTIMATE	0.00	\$2,698.82	\$0.00
A.3	CONDITION DIAGRAM	0.00	\$3,635.83	\$0.00
A.4	PROPOSED SIGNAL LAYOUTS	0.00	\$14,841.92	\$0.00
A.5	SIGNAL PHASING, TIMING	0.00	\$4,081.46	\$0.00
A.6	ELECTRICAL SCHEDULES	0.00	\$6,544.83	\$0.00
A.7	INTERSECTION MARKINGS, CURB CHAIR RAMPS	0.00	\$3,352.93	\$0.00
A.8	STANDARD SHEETS LIST	0.00	\$880.91	\$0.00
A.9	SPECIFICATIONS	0.00	\$3,967.96	\$0.00
A.10	COORDINATION AND MEETINGS	0.00	\$2,327.62	\$0.00
A.11	TEMPORARY TRAFFIC SIGNALS	0.00	\$6,756.00	\$0.00
	<u>EXPENSES</u>	0.00	584.95	\$0.00
	SUBTOTAL	0.00%	\$50,530.49	\$0.00

ERGONOMIC TRANSPORTATION SOLUTIONS, INC.

INVOICE

5300 Hollister Road, Suite 220
Houston, Texas 77040
Tel. (713) 956-9601
Fax (713) 956-9667
TAX ID: 76-0583436

INVOICE NUMBER: 2017-4-2
INVOICE DATE: 11/30/2017
FOR SERVICES PROVIDED FROM: 11/01/2017
TO: 11/30/2017

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

PROJECT NAME:
NOLANA LOOP
FM 1426 TO FM 907
SIGNAL WARRANTS, SIGNAL DESIGN

TASK NO.	DESCRIPTION OF SERVICES PROVIDED	% COMPLETE	TOTAL FEE	AMNT INVOICED
	<u>CATEGORY B - TRAFFIC SIGNAL WARRANTS STUDIES</u>			
B.1	FIELD INVESTIGATION - DATA COLLECTION'	100.00	\$1,962.34	\$1,962.34
B.2	ASSESSMENT OF DATA	100.00	\$654.11	\$654.11
B.3	ACCIDENT ANALYSIS	95.00	\$759.16	\$721.20
B.4	COLLISION DIAGRAMS	95.00	\$601.59	\$571.51
B.5	EXHIBITS	95.00	\$601.59	\$571.51
B.6	WARRANT ANALYSIS	95.00	\$3,489.01	\$3,314.56
B.7	PHOTO ALBUM	95.00	\$274.54	\$260.81
B.8	RECOMMENDATIONS	95.00	\$767.51	\$729.13
B.9	WARRANT STUDY REPORT	95.00	\$3,220.44	\$3,059.42
	<u>EXPENSES (TRAFFIC COUNTS)</u>	100.00	1,400.00	\$1,400.00
	<u>EXPENSES (PRINTS, TRAVEL, DELIVERIES)</u>	100.00	450.00	\$450.00
	SUBTOTAL	96.57%	\$14,180.29	\$13,694.60

NOLANA LOOP: FROM FM 1426 TO FM 907
TRAFFIC SIGNAL DESIGN & WARRANT STUDIES
PROGRESS REPORT AS OF NOVEMBER 30, 2017

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

CATEGORY A – SIGNAL DESIGN

TASK A.1 – General Notes (0% Complete)

- No Action

TASK A.2 – Basis of Estimate (0% Complete)

- No Action

TASK A.3 – Condition Diagram (0% Complete)

- No Action

TASK A.4 – Proposed Signal Layouts (0% Complete)

- No Action

TASK A.5 – Signal Phasing and Timing (0% Complete)

- No Action

TASK A.6 – Electrical Schedules (0% Complete)

- No Action

TASK A.7 – Intersection Signing, Pavement Markings and Curb Ramps (0% Complete)

- No Action

TASK A.8 – Standard Sheets List (0% complete)

- No Action

TASK A.9 – Specifications (0% Complete)

- No Action

TASK A.10 – Coordination and Meetings (0% complete)

- No Action

TASK A.11 – Temporary Traffic Signals (0% Complete)

- No Action

PENDING ISSUES FOR CATEGORY A:

None

CATEGORY B – TRAFFIC SIGNAL WARRANT STUDIES

TASK B.1 – Field Investigation and Data Collection (100% Complete)

- Completed

TASK B.2 – Assessment of collected data (100% Complete)

- Completed

TASK B.3 – Accident Data and Analysis (95% Complete)

- Substantially completed

TASK B.4 – Collision Diagrams (95% Complete)

- Substantially completed

TASK B.5 – Intersection Exhibits (95% Complete)

- Substantially completed

TASK B.6 – Warrant Analysis (95% Complete)

- Substantially completed

TASK B.7 – Photo Album (95% Complete)

- Substantially completed

TASK B.8 - Recommendations (95% Complete)

- Substantially completed

TASK B.9 – Warrant Study Report (95% Complete)

- Substantially completed

PENDING ISSUES FOR CATEGORY B:

- None



Purchase Order COUNTY OF HIDALGO

PO# 760468 ✓
DATE: 04/20/17 ✓
PAGE NO: 1 OF 1

PO TYPE:

VENDOR: 280046

REQ: 00340872 ✓

PHONE: (956)565-9813

Fax: (956)565-6746

EMAIL:

BUYER:

SHIP TO: HIDALGO CO. PCT 2
300 WEST HALL ACRES, SUITE G
PHARR TX 78577

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

CONTACT: EDUARDO CANTU (956)787-1891

SITE: COMMISSIONER, PRECINCT 2

CONTRACT NO: C-17-088-04-05

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-17-088-04-05 EXPIRES 12/31/2022 - PCT 2 NOLANA LOOP PROJECT (FM1426 (RAUL LONGORIA) TO FM 907 (ALAMO RD) - ENGINEERING SERVICES		
		WORK AUTH #1 APPROVED BY CC 4/5/17 AI#59175		
1.00	LOT	CC WORK AUTHORIZATION NO. 1 FOR ENGINEER TO PROVIDE THE PS&E, DESIGN SURVEY, ROW MAP, AND OTHER DESIGN RELATED SERVICES NEEDED FOR THE PCT 2 NOLANA LOOP PROJECT FROM FM 1426 (RAUL LONGORIA) TO FM 907 (ALAMO RD)	1,437,341.10	1,437,341.10
		TOTAL:		1,437,341.10
		***** For Hidalgo County use only		
		7-1315-431-00-122-136-0-710	42,400.00	
		7-1315-431-00-122-136-0-721	532,536.44	
		7-1315-431-00-122-136-0-841	862,404.66	

SCANNED

4/20/17

2017 APR 21 PM 4 18

PRECINCT NO. 2
HIDALGO COUNTY

Authorized by: Martha Salazar