

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

INVOICE#: 11329629
INVOICE DATE: 12/31/2023

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

JOB: 161502
 Bus 281/SH 107 Roadway Drainage
 Improvements Project
 From: Bus 281-W to US 281
 PO Box 788634

RECEIVED JAN 02 2024

DESCRIPTION	CONTRACT	PREVIOUS APPLICATIONS	CURRENT COMPLETED	TOTAL COMPLETED	% COMPL	BALANCE TO FINISH
Engineering services for the month of December 2023.						
Work Authorization #2 - PS&E, Signal Design, Geotechnical Testing, Field Surveys and ROW Mapping for Phase II.						
13002-ROW Mapping	20,413.40	20,413.40		20,413.40	100.0	-
13020-ROW Map/SUB	38,500.00	38,500.00		38,500.00	100.0	-
15006-Field Surveys	52,491.60	52,491.60		52,491.60	100.0	-
15060-Field Surveys/SUB	99,783.00	99,783.00		99,783.00	100.0	-
16004-PS&E Development	1,474,666.00	1,459,919.34		1,459,919.34	99.0	14,746.66
16006-Plans to TxDOT	66,000.00	62,700.00		62,700.00	95.0	3,300.00
16202-Pavement Markings	16,847.45	15,162.71	842.37	16,005.08	95.0	842.37
16203-Signal/Illumination	30,288.30	30,288.30		30,288.30	100.0	-
16205-Signal Design	56,121.16	50,509.04	2,806.06	53,315.10	95.0	2,806.06
16220-Pavement Markings/SUB	55,152.54	49,787.27	2,682.63	52,469.90	95.1	2,682.64
16230-Signal Illuminatio/SUB	81,711.70	81,711.70		81,711.70	100.0	-
16250-Signal Design/SUB	170,878.85	153,940.96	8,432.65	162,373.61	95.0	8,505.24
33001-Geotech Testing	95,000.00	95,000.00		95,000.00	100.0	-
Sub Total	2,257,854.00	2,210,207.32	14,763.71	2,224,971.03		32,882.97
Supplemental #1 to Work Authorization #2 - To add Project Management to the Scope of Services						
15006-Field Surveys	-47,904.26	-47,904.26		-47,904.26	100.0	-
16403-Project Management	47,904.26	47,904.26		47,904.26	100.0	-
Sub Total	0.00	0.00	0.00	0.00		-
Supplemental #2 to Work Authorization #2 - To Reallocate funds from Illumination Design to Temporary Traffic Signal Design						
16203-Signal/Illumination	-16,658.56	-16,658.56		-16,658.56	100.0	-
16230-Signal Illuminatio/SUB	-72,602.49	-72,602.49		-72,602.49	100.0	-
16206-Temporary Signal Design	16,658.56	14,992.70	832.93	15,825.63	95.0	832.93
16260-Temporary Signal Desig/SUB	72,602.49	65,342.24	3,666.42	69,008.66	95.0	3,593.83
Sub Total	0.00	-8,926.11	4,499.35	-4,426.76		4,426.76
TOTAL:	2,257,854.00	2,201,281.21	19,263.06	2,220,544.27	98.3	37,309.73


 PROJECT MANAGER'S SIGNATURE

ORIGINAL CONTRACT SUM \$ 2,257,854.00
 CHANGE BY CHANGE ORDER \$ 0.00
 CONTRACT SUM TO DATE \$ 2,257,854.00
 TOTAL COMPLETED TO DATE \$ 2,220,544.27
 LESS PREVIOUS INVOICES \$ 2,201,281.21
 CURRENT PAYMENT DUE \$ 19,263.06

INVOICE RECEIVED BY:
Lupita Garza ON 1/02/24
 GOODS/SERVICES RECEIVED BY:
Armando Garza ON 12/01-31/23

PO # 788634
3-1315-431-00-122-150-0-841
 Req # 381755

\$ 19,263.06
 1/2/2024



L&G Consulting Engineers, Inc.

January 2, 2023

Commissioner Eduardo "Eddie" Cantu
Attn: Mr. Armando Garza, Chief Administrator
Hidalgo County Precinct 2
300 West Hall Acres Rd.
Pharr, Texas 78589

RE: SH 107/Bus 281 Intersection & Drainage Improvements (Limits: At Courthouse Square & Outfall) – WA #2 PO#788634 - L&G Project#161502

Dear Commissioner Cantu:

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 December 2023.

The attached is the following:

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

Work Authorization #2 – PS&E, Signal Design, Geotechnical Testing, Field Surveys and ROW Mapping for Phase II

		% Complete
FC 13002 ~ ROW MAP		
The ROW Map was completed and submitted. Parcels have been acquired. This task is complete.	L&G	100%
FC 13020 ~ ROW MAP / SUB		
All ROW Map information has been completed and submitted to L&G Engineering, the County, and TxDOT. This task is complete.	ROWSS	100%
FC 15006 ~ FIELD SURVEYS		
NO UPDATE: L&G provided final review of ROWSS's submittals. This task is complete.	L&G	100%
FC 15060 ~ FIELD SURVEYS / SUB		
NO UPDATE: ROWSS has completed all sub-tasks. This task is complete	ROWSS	100%

FC 16004 ~ PS&E DEVELOPMENT		
<p>NO INVOICE: L&G continues work on the plan set and is developing the following plan sheets: Title Sheet, Index of Sheets, Project Layout, Typical Sections, TCP Sequence of Construction, TCP Layouts, P&P's, & Culvert Layouts. L&G received direction from the City of Edinburg on the access of the side streets and will incorporate those parameters into the design. L&G continues to work toward a final submittal.</p> <p>Roadway profiles for the BUS 281 (Courthouse square) roadway and the SH 107 roadway were redone as they were too high to match the existing edges of the roadway. New cross sections for the BUS 281 (Courthouse Square) roadway and the SH 107 roadway were redone. The corridor model was redone with the new profiles. The entire drainage system was redone due to the update to the profiles of the BUS 281 (Courthouse square) roadway and the SH 107 roadway. The Traffic Control Plan has been updated due to requests from TxDOT to construct the BUS 281 (Courthouse Square) roadway in different phases, that are independent of the construction of SH 107 roadway. Special Traffic Control Plans were also taken I consideration underneath the I-69C (US 281 Expressway) overpass during the construction of the drainage trunkline. Additional temporary traffic signals were designed due to the increase in TCP phasing. Signing and striping sheets were updated. Storm Water Pollution and Prevention Plans (SW3P) were updated as per the TCP phasing.</p> <p>The 90% PS&E was submitted to TxDOT for their review on January 19, 2023. TxDOT has not been able to provide access to TxDOT Connect but once we receive access we will update.</p> <p>TxDOT provided access to TxDOT Connect and L&G Engineering has updated TxDOT Connect with the latest quantities. Corridor modeling was provided to TxDOT for their use.</p> <p>TxDOT provided comments on the 90% set of plans on March 14, 2023. L&G has begun to update the plan set as necessary.</p> <p>L&G Engineering is updating the PS&E documents for the 95% submittal to TxDOT, utilizing the 95% PS&E TxDOT checklist.</p> <p>L&G Engineering is coordinating with the City of Edinburg for inclusion of their utility plans into the SH 107 roadway plans. Discussions on conflicts are ongoing so that they can adjust their lines accordingly.</p> <p>Coordination continues with the City of Edinburg for inclusion of their utility plans into the plan set. The City of Edinburg is scheduled to submit the utility plan set to L&G by mid July 2023. L&G Engineering continues to QC/QA the plan set as we wait for the City of Edinburg to submit their utility plan set.</p> <p>City of Edinburg submitted their utility plan set to L&G Engineering for review on July 24, 2023. L&G Engineering reviewed their plan set for any conflicts with the proposed drainage system. L&G Engineering provided the City of Edinburg with comments on their plan set, and are waiting for their 100% PS&E package with construction cost estimate for inclusion into the SH 107 plan set.</p> <p>L&G Engineering has updated TxDOT Connect with the latest project quantities as well as the latest TxDOT low bid prices. Coordination with the irrigation district to get the title sheet signed is ongoing. L&G is expecting the City of Edinburg to submit their utility plan set, spec list, and construction estimate in October.</p> <p>Coordination with the City of Edinburg is on-going. As of October 25, 2023, the City of Edinburg has not submitted their utility plan set, specification list,</p>	L&G	99%

<p>nor their construction estimate. Coordination with the City of Edinburg is on-going. As of November 22, 2023, the City of Edinburg has not submitted their utility plan set, specification list, nor their construction estimate to the County. L&G Engineering submitted the 95% PS&E to TxDOT on November 15, 2023.</p> <p>TxDOT is currently reviewing the 95% PS&E submittal. The City of Edinburg submitted their utility plans to the County for review on November 30, 2023. L&G will begin to review the utility plans for conflicts.</p>		
FC 16006 ~ PLANS SUBMITTED TO TxDOT		
<p>L&G has provided a FINAL SIGNED/SEAL Change Order plan set to TxDOT for review/approval. L&G continues to coordinate the design with TxDOT to avoid utility conflict.</p> <p>The 90% PS&E was submitted to TxDOT for their review. TxDOT provided comments on the 90% set of plans on March 14, 2023. L&G has begun to update the plan set as necessary. L&G Engineering is updating the PS&E documents for the 95% submittal to TxDOT, utilizing the 95% PS&E TxDOT checklist.</p> <p>L&G Engineering updated the PS&E documents for the 95% submittal to TxDOT, utilizing the 95% PS&E TxDOT checklist. The 95% PS&E was submitted to TxDOT for their review. The City of Edinburg did not provide their utility plan set by the submittal date. NO UPDATE:</p>	L&G	95%
FC 16202 ~ PAVEMENT MARKINGS		
<p>L&G has provided ETSI with all of the roadway files and edge of pavement for their use in the pavement marking details. L&G continues to provide guidance to ETSI on their pavement marking layouts.</p> <p>L&G held several coordination meetings with ETSI to discuss striping concepts. L&G received ETSI's 90% striping submittal and provided comments. L&G updated the project's construction cost estimate based on the quantities supplied from ETSI. L&G also updated the project's General Notes and Specifications based on ETSI's comments.</p> <p>The 90% PS&E was submitted to TxDOT for their review.</p> <p>L&G received ETSI's 95% striping submittal. The 95% PS&E was submitted to TxDOT for their review.</p>	L&G	95%
FC 16203 ~ SIGNAL / ILLUMINATION		
<p>NO UPDATE: This task has been reduced by Supplemental No. 2 to Work Authorization No. 2 which reallocates funds from Illumination to Temporary Signal Design.</p>	L&G	100%
FC 16205 ~ SIGNAL DESIGN		
<p>L&G has provided ETSI with all of the roadway and intersection files for their use in the signal design. L&G continues to provide guidance to ETSI on their signal layouts.</p> <p>L&G held several coordination meetings with ETSI to discuss the traffic signal concepts. L&G received ETSI's 90% traffic signal submittal and provided comments. L&G updated the project's construction cost estimate</p>	L&G	95%

based on the quantities supplied from ETSI. L&G also updated the project's General Notes and Specifications based on ETSI's comments. L&G received ETSI's 95% signal design submittal. The 95% PS&E was submitted to TxDOT for their review.		
FC 16220 ~ PAVEMENT MARKINGS / SUB		
ETSI has compiled the General Notes, specifications, and striping quantities for the project. Quantity summary sheets have been created. Proposed pavement marking layouts have been generated and have been submitted to L&G Engineering for inclusion into the 90% plan set submittal. Standard sheets were included in the submittal to L&G Engineering. Pavement Marking layouts have been generated and have been submitted to L&G Engineering for inclusion into the 95% plan set submittal.	ETSI	95.1%
FC 16230 ~ SIGNAL / ILLUMINATION / SUB		
NO UPDATE: This task has been reduced by Supplemental No. 2 to Work Authorization No. 2 which reallocates funds from Illumination to Temporary Signal Design.	ETSI	100%
FC 16250 ~ SIGNAL DESIGN		
ETSI has compiled the General Notes, specifications, and striping quantities for the project. Quantity summary sheets have been created. Proposed traffic signal layouts have been generated and have been submitted to L&G Engineering for inclusion into the 90% plan set submittal. Standard sheets were included in the submittal to L&G Engineering. Condition diagrams, electrical schedules, signal phasing, and timing have been completed. Signal Design layouts have been generated and have been submitted to L&G Engineering for inclusion into the 95% plan set submittal.	ETSI	95%
FC 33001 ~ GEOTECHNICAL TESTING		
NO UPDATE: Task is complete.	L&G	100%

Supplemental #1 to Work Authorization #2 – To add Project Management to the Scope of Services

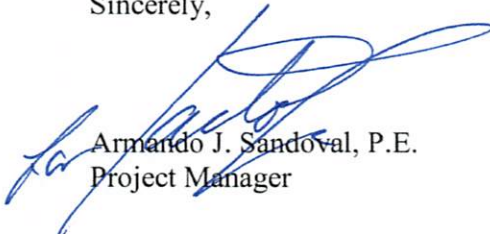
FC 15006 ~ FIELD SURVEYS		
Task is complete.	L&G	100%
FC 16403 ~ Project Management		
Task is complete.	L&G	100%

Supplemental #2 to Work Authorization #2 – To Reallocate funds from Illumination Design to Temporary Traffic Signal Design.

FC 16203 ~ SIGNAL / ILLUMINATION		
This task has been reduced by Supplemental No. 2 to Work Authorization No. 2 which reallocates funds from Illumination to Temporary Signal Design.	L&G	100%
FC 16230 ~ SIGNAL / ILLUMINATION / SUB		
This task has been reduced by Supplemental No. 2 to Work Authorization No. 2 which reallocates funds from Illumination to Temporary Signal Design.	ETSI	100%
FC 16206 ~ TEMPORARY SIGNAL DESIGN		
ETSI submitted, to L&G Engineering, the 90% Temporary traffic signal sheets as per the updated TCP requested by TxDOT, for submittal in the 90% PS&E package. Comments were received from TxDOT on the 90% submittal. L&G Engineering coordinated with ETSI on the updates to the traffic control plan sheets. The Temporary traffic signals were updated accordingly and have been submitted to L&G Engineering for inclusion into the 95% PS&E package. L&G received ETSI's 95% Temporary traffic signal submittal. The 95% PS&E was submitted to TxDOT for their review.	L&G	95%
FC 16260 ~ TEMPORARY SIGNAL DESIGN / SUB		
ETSI completed the Temporary Traffic Signal design sheets as per modifications to the Traffic Control Plans, that were provided by L&G Engineering. Phasing layout sheets, standard sheets, specifications, and construction cost estimates were completed and submitted to L&G Engineering for their 90% PS&E submittal. ETSI coordinated with L&G Engineering for the 95% submittal. Comments on the 90% submittal were received from L&G Engineering and the layouts were updated as necessary. The updated layouts were submitted to L&G Engineering. Temporary Signal Design layouts have been generated and have been submitted to L&G Engineering for inclusion into the 95% plan set submittal.	ETSI	95%

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

ERGONOMIC TRANSPORTATION SOLUTIONS, INC.

5300 Hollister Rd., Suite 220

Houston, Texas 77040

Tel. (713) 956-9601

Fax: (713) 956-9667

December 31, 2023

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

Reference: Designs for Traffic Signals and Pavement Markings
BUS281/SH107 Roadway & Drainage Improvements Project
in Edinburg, Hidalgo County, Texas
Invoice nos. 2018-11-6 and 2018-11B-6; 2018-12-6 and 2018-12B-6

Dear Jacinto:

Attached for your handling are two invoices for services provided in conjunction with the above referenced project. It reflects our effort as of December 31, 2023.

Also, attached are the corresponding progress reports 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

ERGONOMIC TRANSPORTATION SOLUTIONS, INC.

INVOICE

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

INVOICE NUMBER: 2018-11-6
 INVOICE DATE: 12/31/2023
 FOR SERVICES PROVIDED FROM: 9/1/2023
 TO: 12/31/2023
 PROJECT NAME:

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

BUS 281/SH107 RDWY & DRAINAGE
 SIGNAL DESIGN FOR
 COURT HOUSE SQUARE
 EDINBURG, HIDALGO COUNTY, TX

TASK NO.	DESCRIPTION OF SERVICES PROVIDED	% COMPLETE	TOTAL FEE	AMOUNT EARNED
1	General Notes	95.00	\$725.52	\$689.24
2	Basis of Estimate	95.00	\$4,016.60	\$3,815.77
3	Condition Diagram	95.00	\$8,164.76	\$7,756.52
4	Proposed Signal Plan Layout	95.00	\$20,220.96	\$19,209.91
5	Signal Phasing/Timing	95.00	\$5,311.70	\$5,046.12
6	Electrical Schedules	95.00	\$11,029.84	\$10,478.35
7	Int..Signs, Pav.Markings, Curb Ramps	95.00	\$4,500.26	\$4,275.25
8	Standard Sheets List	95.00	\$1,838.28	\$1,746.37
9	Specifications and Cost Estimate	95.00	\$4,082.26	\$3,878.15
10	Field Investigations and Meetings	95.00	\$1,623.36	\$1,542.19
11	TEMPORARY TRAFFIC SIGNALS	95.00	\$30,020.06	\$28,519.06
12	ADDITIONAL EFFORT FOR TEMPORARY SIGNALS	95.00	\$31,231.14	\$29,669.58
	<u>Expenses:</u>			
	Printing Reproduction	95.00	\$50.00	\$47.50
	Travel	100.00	\$750.00	\$750.00
	Deliveries	95.00	\$50.00	\$47.50
	Total	95.03%	\$123,614.74	\$117,471.50
Amount Invoiced Previously				\$111,328.26
Total Due this Invoice				\$6,143.24

PLEASE MAKE CHECKS PAYABLE TO:
 Ergonomic Transportation Solutions, Inc.
 Attn: Harry Simeonidis
 P.O. Box 550344
 Houston, TX 77255-0344

THANK YOU FOR GIVING US THE OPPORTUNITY TO SERVE YOU

DBT

ERGONOMIC TRANSPORTATION SOLUTIONS, INC.

INVOICE

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

INVOICE NUMBER: 2018-11B-6
 INVOICE DATE: 12/31/2023
 FOR SERVICES PROVIDED FROM: 9/1/2023
 TO: 12/31/2023

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

PROJECT NAME:

BUS 281/SH107 RDWY & DRAINAGE
 SIGNAL DESIGN FOR
 SH 107: 12TH AVE TO IH 69C
 EDINBURG, HIDALGO COUNTY, TX

TASK NO.	DESCRIPTION OF SERVICES PROVIDED	% COMPLETE	TOTAL FEE	AMOUNT EARNED
1	General Notes	95.00	\$725.64	\$689.36
2	Basis of Estimate	95.00	\$4,082.82	\$3,878.68
3	Condition Diagram	95.00	\$8,576.60	\$8,147.77
4	Proposed Signal Plan Layout	95.00	\$17,152.98	\$16,295.33
5	Signal Phasing/Timing	95.00	\$4,494.28	\$4,269.57
6	Electrical Schedules	95.00	\$8,576.30	\$8,147.49
7	Int. Signs, Pav. Markings, Curb Ramps	95.00	\$4,500.02	\$4,275.02
8	Standard Sheets List	95.00	\$1,360.75	\$1,292.71
9	Specifications and Cost Estimate	95.00	\$4,494.05	\$4,269.35
10	Field Investigations and Meetings	95.00	\$1,217.51	\$1,156.63
11	TEMPORARY TRAFFIC SIGNALS	95.00	\$22,464.30	\$21,341.09
12	ADDITIONAL EFFORT FOR TEMPORARY SIGNALS	95.00	\$41,371.35	\$39,302.78
	<u>Expenses:</u>			
	Printing Reproduction	95.00	\$50.00	\$47.50
	Travel	100.00	\$750.00	\$750.00
	Deliveries	95.00	\$50.00	\$47.50
	Total	95.03%	\$119,866.60	\$113,910.77
Amount Invoiced Previously (Signals+Illumination)				\$107,954.94
Total Due this Invoice				\$5,955.83

PLEASE MAKE CHECKS PAYABLE TO:
 Ergonomic Transportation Solutions, Inc.
 Attn: Harry Simeonidis
 P.O. Box 550344
 Houston, TX 77255-0344

THANK YOU FOR GIVING US THE OPPORTUNITY TO SERVE YOU

D.B.T.

ERGONOMIC TRANSPORTATION SOLUTIONS, INC.

INVOICE

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

INVOICE NUMBER: 2018-12-6
 INVOICE DATE: 12/31/2023
 FOR SERVICES PROVIDED FROM: 9/1/2023
 TO: 12/31/2023

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

PROJECT NAME:

BUS 281/SH107 RDWY & DRAINAGE
 PAVEMENT MARKINGS DESIGN FOR
 COURT HOUSE SQUARE
 EDINBURG, HIDALGO COUNTY, TX

TASK NO.	DESCRIPTION OF SERVICES PROVIDED	% COMPLETE	TOTAL FEE	AMOUNT EARNED
1	General Notes for Pavement Markings	95.00	\$859.42	\$816.45
2	Quantities Summary Sheets	95.00	\$1,611.46	\$1,530.89
3	Proposed Pavement Marking Layouts	95.00	\$15,045.88	\$14,293.59
4	Standard Sheets List	95.00	\$1,772.56	\$1,683.93
5	Specifications	95.00	\$948.94	\$901.49
6	Cost Estimate	95.00	\$1,969.92	\$1,871.42
7	Field Investigations and Meetings	95.00	\$1,623.44	\$1,542.27
	<u>Expenses:</u>			
	Printing Reproduction	95.00	\$50.00	\$47.50
	Travel	100.00	\$750.00	\$750.00
	Deliveries	95.00	\$50.00	\$47.50
	Total	95.15%	\$24,681.62	\$23,485.03
	Amount Invoiced Previously			\$22,288.45
	Total Due this Invoice			\$1,196.58

PLEASE MAKE CHECKS PAYABLE TO:
 Ergonomic Transportation Solutions, Inc.
 Attn: Harry Simeonidis
 P.O. Box 550344
 Houston, TX 77255-0344

THANK YOU FOR GIVING US THE OPPORTUNITY TO SERVE YOU

ERGONOMIC TRANSPORTATION SOLUTIONS, INC.

INVOICE

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

INVOICE NUMBER: 2018-12B-6
 INVOICE DATE: 12/31/2023
 FOR SERVICES PROVIDED FROM: 9/1/2023
 TO: 12/31/2023
 PROJECT NAME:

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

BUS 281/SH107 RDWY & DRAINAGE
 PAVEMENT MARKINGS DESIGN FOR
 SH 107: 12TH AVE TO IH 69C
 EDINBURG, HIDALGO COUNTY, TX

TASK NO.	DESCRIPTION OF SERVICES PROVIDED	% COMPLETE	TOTAL FEE	AMOUNT EARNED
1	General Notes for Pavement Markings	95.00	\$859.42	\$816.45
2	Quantities Summary Sheets	95.00	\$1,474.36	\$1,400.64
3	Proposed Pavement Marking Layouts	95.00	\$20,017.68	\$19,016.80
4	Standard Sheets List	95.00	\$1,772.56	\$1,683.93
5	Specifications	95.00	\$948.94	\$901.49
6	Cost Estimate	95.00	\$2,924.52	\$2,778.29
7	Field Investigations and Meetings	95.00	\$1,623.44	\$1,542.27
	<u>Expenses:</u>			
	Printing Reproduction	95.00	\$50.00	\$47.50
	Travel	100.00	\$750.00	\$750.00
	Deliveries	95.00	\$50.00	\$47.50
	Total	95.12%	\$30,470.92	\$28,984.87
	Amount Invoiced Previously			\$27,498.82
			Total Due this Invoice	\$1,486.05

PLEASE MAKE CHECKS PAYABLE TO:
 Ergonomic Transportation Solutions, Inc.
 Attn: Harry Simeonidis
 P.O. Box 550344
 Houston, TX 77255-0344

THANK YOU FOR GIVING US THE OPPORTUNITY TO SERVE YOU

**PROGRESS REPORT AS OF 12-31-2023
SIGNAL DESIGN IN THE VICINITY OF
THE PROPOSED HIDALGO COUNTY COURT HOUSE IN EDINBURG, TEXAS**

SIGNAL DESIGN LIMITS

- McIntyre Street @ BUS 281 (Closner Boulevard): Permanent and Temporary Signal Design
- SH 107 (University Drive) @ 10th Avenue: Permanent and Temporary Signal Design
- SH 107 (University Drive) @ 12th Avenue: Permanent and Temporary Signal Design
- Cano Street @ BUS 281 (Closner Boulevard): Pemenent and Temporary Signal Design

TASK 1 – General Notes for Traffic Signal installation (95% Complete)

- Completed

TASK 2 – Basis of Estimate Quantities (95% Complete)

- Completed

TASK 3 – Condition Diagram (95% Complete)

- Completed

TASK 4 – Proposed Signal Plan Layout (95% Complete)

- Completed

TASK 5 – Signal Phasing and Timing (95% Complete)

- Completed

TASK 6 – Electrical Schedules (95% Complete)

- Completed

TASK 7 – Intersection Signing, Pavement Markings and Curb Ramps (95% Complete)

- Completed

TASK 8 – Standard Sheets List (95% Complete)

- Completed

TASK 9 –Specifications List and Cost Estimate (95% Complete)

- Completed

TASK 10 – Field Investigation and Meetings (95% Complete)

- Completed

TASK 11 – Temporary Traffic Signal Design (95% Complete)

- Completed

TASK 12 – Additional Effort for Temporary Traffic Signal Design (95% Complete)

- Completed

**PROGRESS REPORT AS OF 12-31-2023
SIGNAL DESIGN ALONG SH 107 (UNIVERSITY DRIVE)
FROM 12th AVENUE TO US 281 IN EDINBURG, TEXAS**

SIGNAL DESIGN LIMITS

- SH 107 (University Drive) @ 16th Avenue: Permanent and Temporary Signal Design
- SH 107 (University Drive) @ Veterans Boulevard: Permanent and Temporary Signal Design
- SH 107 (University Drive) @ 21st Avenue: Pemenent and Temporary Signal Design
- SH 107 (University Drive) @ US 281: Install new loop detectors for the SH 107 Eastbound approach only.

TASK 1 – General Notes for Traffic Signal installation (95% Complete)

- Completed

TASK 2 – Basis of Estimate Quantities (95% Complete)

- Completed

TASK 3 – Condition Diagram (95% Complete)

- Completed

TASK 4 – Proposed Signal Plan Layout (95% Complete)

- Completed

TASK 5 – Signal Phasing and Timing (95% Complete)

- Completed

TASK 6 – Electrical Schedules (95% Complete)

- Completed

TASK 7 – Intersection Signing, Pavement Markings and Curb Ramps (95% Complete)

- Completed

TASK 8 – Standard Sheets List (95% Complete)

- Completed

TASK 9 –Specifications List and Cost Estimate (95% Complete)

- Completed

TASK 10 – Field Investigation and Meetings (95% Complete)

- Completed

TASK 11 – Temporary Traffic Signal Design (95% Complete)

- Completed

TASK 12 – Additional Effort for Temporary Traffic Signal Design (95% Complete)

- Completed

**PROGRESS REPORT AS OF 12-31-2023
PAVEMENT MARKINGS DESIGN IN THE VICINITY OF
THE PROPOSED HIDALGO COUNTY COURT HOUSE
IN EDINBURG, TEXAS**

PAVEMENT MARKINGS DESIGN LIMITS

The Pavement Markings design covers the following limits:

- McIntyre Street: from 10th Avenue to 12th Avenue
- Cano Street: from 10th Avenue to 12th Avenue
- 10th Avenue: from Cano Street to McIntyre Street
- 12th Avenue: from Cano Street to McIntyre Street

TASK 1 – General Notes for Pavement Markings (95% Complete)

- Completed

TASK 2 – Quantities Summary sheet(s) (95% Complete)

- Completed

TASK 3 – Proposed Pavement Markings Layouts (1"=50') (95% Complete)

- Completed

TASK 4 – Standard Sheets List (95% Complete)

- Completed

TASK 5 – Specifications List (95% Complete)

- Completed

TASK 6 – Cost Estimate (95% Complete)

- Completed

TASK 7 – Field Investigation and Meetings (95% Complete)

- Completed

PENDING ISSUES: None

**PROGRESS REPORT AS OF 12-31-2023
PAVEMENT MARKINGS DESIGN ALONG SH 107 (UNIVERSITY DRIVE)
FROM 12th AVENUE TO US 281
IN EDINBURG, TEXAS**

PAVEMENT MARKINGS DESIGN LIMITS

The Pavement Markings design limits are as follows:

- SH 107 (University Drive): from 12th Avenue to US 281 (Southbound Frontage Road).

TASK 1 – General Notes for Pavement Markings (95% Complete)

- Completed

TASK 2 – Quantities Summary sheet(s) (95% Complete)

- Completed

TASK 3 – Proposed Pavement Markings Layouts (1"=50') (95% Complete)

- Completed

TASK 4 – Standard Sheets List (95% Complete)

- Completed

TASK 5 – Specifications List (95% Complete)

- Completed

TASK 6 – Cost Estimate (95% Complete)

- Completed

TASK 7 – Field Investigation and Meetings (95% Complete)

- Completed

PENDING ISSUES: None

Project Sponsor: Hidalgo County

PROJECT DEVELOPMENT SCHEDULE
BUS281/SH107 (CSJ: 0342-01-093)
From BUS281 to I69C (US281)
Length = 1.36 miles

TASK AND DESCRIPTION	FIRM	2021				2022												2023												2024									
		Q1	Q2	Q3	Q4	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	Q3	Q4		
AGREEMENTS																																							
ICA w/ City of Edinburg (Pending)(Illumination and Landscaping)	L&G																																						
Donation Agreement w/ TxDOT (Executed)	TxDOT																																						
AFA for Outfall ROW w/ TxDOT (Pending)	TxDOT																																						
GENERAL																																							
Dev Traffic Impact Analysis Report & Recommendations (COMPLETED)	L&G																																						
Closure of Business 281 Activities (COMPLETED)	L&G																																						
TxDOT Accepts TIA and Issues MO (COMPLETED)	TxDOT																																						
Geotechnical Report (Accepted)	L&G																																						
Phase I: Schematic & Environmental																																							
SCHEMATIC																																							
Develop Schematic & TxDOT Approval (COMPLETED)	L&G																																						
Public Meeting (COMPLETED)	L&G																																						
ENVIRONMENTAL																																							
D-13 CE (Completed)	TxDOT																																						
Phase II: PS&E and ROW Acquisition Services																																							
PS&E																																							
Design Survey & SUE	L&G																																						
Outfall Coordination with HCDD #1	L&G																																						
Pavement Design	TxDOT																																						
Change Order Plan Set (COMPLETED)	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																																						
UTILITY ADJUSTMENT																																							
Permitted Utility Adjustments	L&G																																						
ROW Map																																							
Prepare ROW Map (Corner Clips & Outfall)	L&G																																						
TxDOT Review & ROWIS Programming	TxDOT																																						
ROW Acquisition (Est. 12 Parcels)																																							
Release of ROW Acquisition	TxDOT																																						
Project Administration	L&G																																						
ROW Acquisition Complete	County																																						
Phase III: Construction																																							
Receive Bids for Construction (TxDOT LET 6-2026)	TxDOT																																						
Construction Duration	TxDOT																																						



TxDOT has pushed the Let Date for this project back by at least a year (FY 2026 - 2027) due to not constructing the drainage trunkline in the current SH 107 construction project east of the expressway.

REVISED BY Damien T. 12/21/23



Purchase Order COUNTY OF HIDALGO

PO# 788634

DATE: 11/02/18

PAGE NO: 1 of 1

PO TYPE:

VENDOR: 280046

REQ: 00381755

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
MERCEDDES TX 78570

CONTACT: ARMANDO GARZA

(956) 787-1891

SITE: COMMISSIONER, PRECINCT 2

CONTRACT NO: C-16-199-07-19

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 AUTHORIZATION APPROVED BY CC 8/21/18 AI#66211		
		C-16-199-07-19 EXPIRES		
		BUS 281/SH107 ROAD AND DRAINAGE IMPROVEMENT PROJECT		
1.00	LOT	CC WORK AUTHORIZATION NO 2 TO PROVIDE ENGINEERING SERVICES REQUIRED FOR THE PREPARATION OF THE PS&E, FIELD SURVEYS, AND ROW MAP ASSOCIATED WITH THE BUS 281/ SH 107 ROADWAY AND DRAINAGE IMPROVEMENT PROJECT	2,257,854.0000	2,257,854.00
		TOTAL:		2,257,854.00
		***** For Hidalgo County use only 3-1353-431-00-122-150-0-841	2,257,854.00	1,047,247.49
		3-1315-431-00-122-150-0-841		1,210,606.51

SCANNED
11/7/18

2018 NOV 7 AM 8 58

PRECINCT NO. 2
HIDALGO COUNTY

Authorized by:

Martha Salazar