

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

INVOICE#: 11328653
INVOICE DATE: 7/31/2021

BILL TO: 34
Hidalgo County Pct. #1
902 Joe Stephens
Weslaco, TX 78599

JOB: 180501
Mile 6 Project WA#1
PO# 784887
(From: Mile 11 to SH107)

DESCRIPTION	CONTRACT	PREVIOUS APPLICATIONS	CURRENT COMPLETED	TOTAL COMPLETED	% COMPL	BALANCE TO FINISH
Engineering services for the month of July 2021.						
Work Authorization #1 - Re-Evaluation Document, Public Involvement, Schematic and Hydrologic Design						
10206-Feasibility	30,000.00	30,000.00		30,000.00	100.0	-
11002-Schm Roadway	180,000.00	176,400.00		176,400.00	98.0	3,600.00
11005-Dsgn Schm Outfall	180,000.00	176,400.00		176,400.00	98.0	3,600.00
11007-Schm Rdwy TxDOT	45,000.00	42,750.00		42,750.00	95.0	2,250.00
11009-Pr1 ROW Outfall	90,000.00	90,000.00		90,000.00	100.0	-
12001-EA Reports	86,400.00	79,488.00		79,488.00	92.0	6,912.00
12002-Pub Invmnt (PM)	43,200.00	43,200.00		43,200.00	100.0	-
12007-Arch & Hist	10,166.40	5,286.53		5,286.53	52.0	4,879.87
12008-Eng/Pub Mtgs	36,000.00	36,000.00		36,000.00	100.0	-
12070-Arch & Hist/SUB	27,333.60	27,333.60		27,333.60	100.0	-
15007-Sub-Surfc Util	208,210.00	208,210.00		208,210.00	100.0	-
15008-Field Srvy Out	209,940.00	209,431.00		209,431.00	99.8	509.00
15070-SubSurface Eng	10,540.00	10,540.00		10,540.00	100.0	-
15080-Field Srvy/SUB	245,060.00	245,060.00		245,060.00	100.0	-
16101-Hydro Map	90,000.00	90,000.00		90,000.00	100.0	-
16204-Signal Warrant	8,240.56	6,732.54	1,508.02	8,240.56	100.0	-
16206-Trfc Prjetns	18,288.72	18,288.72		18,288.72	100.0	-
16240-Signl Wrnts/SUB	65,759.44	53,731.53	12,027.91	65,759.44	100.0	-
16260-Trfc Prj/SUB	21,711.28	19,711.28		19,711.28	90.8	2,000.00
Sub Total	1,605,850.00	1,568,563.20	13,535.93	1,582,099.13		23,750.87
Supplemental #1 to Work Authorization #1 - Revised Scope of Work						
10206-Feasibility	-30,000.00	-30,000.00		-30,000.00	100.0	-
10211-Pre Engineering	30,000.00	28,500.00		28,500.00	95.0	1,500.00
11005-Dsgn Schm Outfall	177,940.00	174,381.20		174,381.20	98.0	3,558.80
15007-Sub-Surf Util	-187,389.00	-187,389.00		-187,389.00	100.0	-
15008-Field Srvy Out	-177,940.00	-177,940.00		-177,940.00	100.0	-
16403-ProjectMngmnt	187,389.00	178,019.55	3,747.78	181,767.33	97.0	5,621.67
Sub Total	0.00	-14,428.25	3,747.78	-10,680.47		10,680.47
Supplemental #2 to WA#1 - Archeological and Historical will be performed by both L&G Engineering and AmaTerra.						
12007-Arch & Hist	24,474.60	9,789.84		9,789.84	40.0	14,684.76
12070-Arch & Hist/SUB	-27,333.60	-27,333.60		-27,333.60	100.0	-
12070-Arch & Hist/SUB	2,859.00	2,859.00		2,859.00	100.0	-
Sub Total	0.00	-14,684.76	0.00	-14,684.76		14,684.76
TOTAL:	1,605,850.00	1,539,450.19	17,283.71	1,556,733.90	96.9	49,116.10

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: 2018-17-2
 INVOICE DATE: 07/31/2021
 FOR SERVICES PROVIDED FROM: 1/1/2019
 TO: 7/31/2021

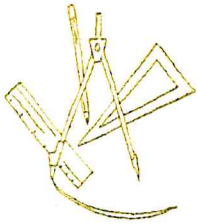
TO:
 Mr. Jacinto Garza, P.E.
 President
 L & G Engineering
 2100 W. Expressway 83
 Mercedes, Texas 78570

PROJECT NAME:
 TRAFFIC SIGNAL AND
 MULTI STOP CONTROL WARRANT STUDY
 TEN INTERSECTIONS ALONG MILE 6 WEST
 PRECINCT 1, HIDALGO COUNTY, TEXAS

TASK NO.	DESCRIPTION OF SERVICES PROVIDED	% COMPLETE	TOTAL FEE	AMOUNT EARNED
1	Collect Data and Conduct Field Investigations	100.00	\$4,082.36	\$4,082.36
2	Assess Collected Data	100.00	\$2,041.82	\$2,041.82
3	Accident Analyses	100.00	\$6,087.56	\$6,087.56
4	Collision Diagrams	100.00	\$3,759.97	\$3,759.97
5	Intersection Exhibits	100.00	\$3,759.97	\$3,759.97
6	Traffic Signal & Multi-Way Stop Control Warrant Analyses	100.00	\$19,635.38	\$19,635.38
7	Photo Album	100.00	\$1,372.78	\$1,372.78
8	Recommendations	100.00	\$3,043.78	\$3,043.78
9	Study Report	100.00	\$14,025.82	\$14,025.82
	<u>Expenses:</u>			
	Travel	100.00	\$950.00	\$950.00
	Traffic Counts (Outsourced)	100.00	\$7,000.00	\$7,000.00
	Total	100.00%	\$65,759.44	\$65,759.44
Amount Invoiced Previously				\$53,731.53
Total Due this Invoice				\$12,027.91

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



August 2, 2021

Hon. David Fuentes
Hidalgo County Commissioner, Pct. #1
Attn: Amy Saenz-Smith or Erica Espinoza
1902 Joe Stevens
Weslaco, TX 78596

RE: Mile 6 Project – WA#1
Limits: Mile 11 to SH 107
PO#784887 - L&G Project#180501

Dear Commissioner Fuentes:

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 July 2021.

The following is attached:

- L&G's Invoice (and sub-consultant invoice, if applicable)
- Exhibit C – Work Schedule

Work Authorization#1 – Engineering services required for the preparation of the Re-Evaluation Document, Public Involvement, Schematic and Hydrologic Design

TASK		% Complete
FC 10206 – DETERMINE LOCAL COSTS vs STATE COSTS / FEASIBILITY STUDY and AGREEMENTS/AFA WITH TxDOT/LPA COORDINATION		
Supplemental #1 to Work Authorization #1 revises the scope of work and removes this scope.	L&G	100%
FC 11002 – SCHEMATIC FOR ROADWAY		
No change from prior invoice L&G has modified schematic to address the following: <ul style="list-style-type: none">• Added existing profile @ CL based on LIDAR• Added existing LT & RT ROW profile based on LIDAR• Updated ROW parcel counts• Established exist. Centerline of ROW based on approved survey• Placed vertical alignment on schematic based on LIDAR.• Received topo and TIN file.	L&G	98%

<ul style="list-style-type: none"> • The roadway schematic was updated based on comments from TxDOT and submitted to them for approval. • A virtual public meeting was held, the comment period passed and the schematic was updated with the latest public comments, as necessary. • Traffic Analysis from TxDOT has been approved and the schematic is being updated with the approved ADT information. • TxDOT has provided additional schematic comments and L&G Engineering is updating the schematic as necessary. • L&G has updated the schematics based on the comments that were received from TxDOT. Waiting for final approval from TxDOT. 		
FC 11005 – SCHEMATIC FOR OUTFALLS		
<p>No change from prior invoice L&G has developed schematics for each of the nine outfalls on the project (approx. 8 mi.) that include the following:</p> <ul style="list-style-type: none"> • Determined existing and proposed horizontal alignments along all nine (9) outfalls. • Vertical alignments have been determined based on LIDAR information. • Aerial imagery via drone has been generated for all nine outfalls based on shape files. • Existing ROW based on Carson Maps and/or HCCID#9 information and proposed ROW based on HCDD#1 criteria. • All existing structures along outfalls have been visually identified to include on schematics. • Aerial imagery via drone has been generated for all nine outfalls based on shape files. L&G has updated schematics based on this. • L&G has identified all HCDD#1 Bond projects. • L&G has determined ROW and construction costs for all nine outfalls. • L&G has met with HCDD#1 to get concurrence. • Letter from Pct. 1 to TxDOT was sent on July 15, 2019 on funding recommendations for outfalls. HCDD#1 concurred by letter dated October 7, 2019. • Concurrence letter was sent from TxDOT on 12-2-19 regarding outfall improvements. • Environmental Scoping meeting with TxDOT was held on 8-21-19. • The outfall schematics were updated and submitted to TxDOT. • A virtual public meeting was held, the comment period passed and the schematic was updated with the latest public comments, as necessary. • Traffic Analysis from TxDOT has been approved and the schematic is being updated with the approved ADT information. • TxDOT has provided additional schematic comments and L&G Engineering is updating the schematic as necessary. • L&G has updated the schematics based on the comments that were received from TxDOT. Waiting for final approval from TxDOT. 	L&G	98%

FC 11007 – UPDATE SCHEMATIC BASED ON COMMENTS AS PROVIDED BY TxDOT / FHWA & EA UPDATE		
<p>No change from prior invoice A Virtual Public Meeting was held on November 3, 2020. The comment period has been completed and comments that were received by the public are being addressed as necessary. TxDOT PM also provided additional comments on the schematic and are being addressed as necessary.</p>	L&G	95%
FC 11009 – OFFICE SURVEYS FOR SCHEMATIC (PRELIMINARY OWNER IDENTIFIED AND COMP. PROPERTY RIGHTS, ROADWAY & OUTFALLS)		
This task is complete.	L&G	100%
FC 12001 – RE-EVALUATION OF ENVIRONMENTAL DOCUMENT WITH TxDOT		
<p>No change from prior invoice L&G’s Environmental Group received comments on the noise analysis technical report and resubmitted the report on 5/19/21. The group continues to prepare the biological report.</p>	L&G	92%
FC 12002 – PUBLIC INVOLVEMENT FOR THE PROJECT WITH STAKEHOLDERS		
This task is complete.	L&G	100%
FC 12007 – ARCHEOLOGICAL AND HISTORICAL RESEARCH		
<p>No change from prior invoice TxDOT has approved the background study. L&G is waiting for TxDOT approval of the hydrologic report before proceeding with the archeological survey and ROE of properties.</p>	L&G	52%
FC 12008 – ENGINEERING TECHNICAL SUPPORT FOR LIMITED PUBLIC INVOLVEMENT		
This task is complete.	L&G	100%
FC 12070 – ARCHEOLOGICAL AND HISTORICAL RESEARCH / SUB		
This task is complete.	AmaTerra	100%
FC 15007 – SUB-SURFACE UTILTIY ENGINEERING (SUE) 25 POT HOLES / MILE (ROADWAY AND OUTFALLS)		
<p>Supplemental #1 to Work Authorization #1 revises the scope of work. We have completed the sub-contracts with Alfonso Quintanilla and have provided his office with our existing digital files. We are plotting and researching the various utilities within the project.</p>	L&G	100%

FC 15008 – FIELD SURVEYS FOR DESIGN AND CONSTRUCTION OF ROADWAY AND 9 OUTFALLS		
Supplemental #1 to Work Authorization #1 revises the scope of work. We have completed the sub-contracts with Alfonso Quintanilla and have provided his office with our existing digital files. All of the H&V Control is being gathered and coordination with the surveyor is on-going.	L&G	99.8%
FC 15070 - SUB-SURFACE UTILITY ENGINEERING (SUE) 25 POT HOLES / MILE (ROADWAY AND OUTFALLS) / SUB		
This task is complete.	QUINTANILLA	100%
FC 15080 - FIELD SURVEYS FOR DESIGN AND CONSTRUCTION OF ROADWAY AND 9 OUTFALLS / SUB		
This task is complete.	QUINTANILLA	100%
FC 16101 – HYDROLOGICAL MAP FOR OUTFALL DRAIN DITCHES (OUTFALL AND CAPACITIES)		
No change from prior invoice A hydraulic report, based off of the Hydrologic Map that was submitted to TxDOT, has been created and has been submitted to the County for their submittal to TxDOT for their review and concurrence. L&G has addressed TxDOT comments on the H&H report and have resubmitted for approval.	L&G	100%
FC 16204 – TRAFFIC SIGNAL RE-WARRANTS AND MULTIWAY STOP CONTROL WARRANT STUDIES		
TxDOT has agreed with the conclusions of the Traffic Signal Warrant Study. L&G has provided final comments to ETSI to incorporate/update the study. A Final, Signed & Sealed report was submitted to TxDOT. This task is now complete.	L&G	100%
FC 16206 – TRAFFIC COUNT PROJECTIONS FOR 20-YRS FOR SCHEMATICS		
This task is complete.	L&G	100%
FC 16240 - TRAFFIC SIGNAL RE-WARRANTS AND MULTIWAY STOP CONTROL WARRANT STUDIES / SUB		
TxDOT has agreed with the conclusions of the Traffic Signal Warrant Study. ETSI has provided L&G with the Final, Signed & Sealed report to submit to TxDOT. This task is now complete.	ETSI	100%
FC 16260 - TRAFFIC COUNT AND MODELING PROJECTIONS FOR 20-YRS FOR SCHEMATICS / SUB		
No change from prior invoice C&M has completed their traffic projects and has submitted all data. This task is now complete.	C&M	90.8%

Supplemental #1 to Work Authorization #1 – Revised Scope of Work

<p>FC 10206 - FC 10206 – DETERMINE LOCAL COSTS vs STATE COSTS / FEASIBILITY STUDY and AGREEMENTS/AFA WITH TxDOT/LPA COORDINATION</p>		
<p>Supplemental #1 to Work Authorization #1 revises the scope of work and removes this scope.</p>	<p>L&G</p>	<p>100%</p>
<p>FC 10211 - PRELIMINARY ENGINEERING</p>		
<p>Supplemental #1 to Work Authorization #1 revises the scope of work to include this scope. No Invoice/No Update L&G Engineering has received comments from TxDOT on the schematics which are being addressed as necessary.</p>	<p>L&G</p>	<p>95%</p>
<p>FC 11005 – SCHEMATIC FOR OUTFALLS</p>		
<p>No change from prior invoice L&G has developed preliminary schematics for each of the nine outfalls on the project (approx. 8.0 mi.) that include the following:</p> <ul style="list-style-type: none"> • Determined exist and prop horizontal alignments along all nine outfalls. • Vertical alignments have been determined based on LIDAR information. • Aerial imagery via drone has been generated for all nine outfalls based on shape files. • Existing ROW based on Carson Maps and/or HCCID#9 information and proposed ROW based on HCDD#1 criteria. • All existing structures along outfalls have been visually identified to include on schematics. • Aerial imagery via drone has been generated for all nine outfalls based on shape files. L&G has updated schematics based on this. • L&G has identified all HCDD#1 Bond projects. • L&G has determined ROW and construction costs for all nine outfalls. • L&G has met with HCDD#1 to get concurrence. A meeting with TxDOT was held on October 28, 2019. • Concurrence letter was sent from TxDOT on 12-2-19 regarding outfall improvements. • The outfall schematics were prepared and submitted to TxDOT for use in the virtual public meeting. • The schematics are being updated to address TxDOT comments. 	<p>L&G</p>	<p>98%</p>
<p>FC 15007 – SUB-SURFACE UTILTIY ENGINEERING (SUE) 25 POT HOLES / MILE (ROADWAY AND OUTFALLS)</p>		
<p>Supplemental #1 to Work Authorization #1 revises the scope of work.</p>	<p>L&G</p>	<p>100%</p>

FC 15008 – FIELD SURVEYS FOR DESIGN AND CONSTRUCTION OF ROADWAY AND 9 OUTFALLS		
Supplemental #1 to Work Authorization #1 revises the scope of work.	L&G	100%
FC 16403 – PROJECT MANAGEMENT		
Supplemental #1 to Work Authorization #1 revises the scope of work. L&G continues to provide regular updates to the County via monthly status update meetings with TxDOT. L&G is reviewing TxDOT's H&H Report comments and will coordinate with County to set up a Comment-Resolution Meeting.	L&G	97%

Supplemental #2 to WA#1 – Archeological and Historical Research will be performed by both L&G Engineering and AmaTerra.

FC 12007 – ARCHEOLOGICAL AND HISTORICAL RESEARCH		
No change from prior invoice TxDOT has approved the background study. L&G is waiting for TxDOT approval of the hydrologic report before proceeding with the archeological survey and ROE of properties.	L&G	40%
FC 12070 – ARCHEOLOGICAL AND HISTORICAL RESEARCH / SUB		
This task is complete.	L&G	100%
FC 12070 – ARCHEOLOGICAL AND HISTORICAL RESEARCH / SUB		
No change from prior invoice TxDOT has approved the background study report. This task is complete.	AmaTerra	100%

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

Sincerely,



Jordan Sinclair, P.E.
Project Manager

Attachments

