

L & G Consulting Engineers Inc**2100 W. Expressway 83****Mercedes, TX 78570****(956)565-9813 Fax (956)565-9018****INVOICE#: 11329115****INVOICE DATE: 9/30/2022****BILL TO: 34**Hidalgo County Pct. #1
902 Joe Stephens
Weslaco, TX 78599**JOB: 180701**Mile 10 Project - WA#1
PO#796083
(From: Mile 6 to FM 1015)

DESCRIPTION	CONTRACT	PREVIOUS APPLICATIONS	CURRENT COMPLETED	TOTAL COMPLETED	% COMPL	BALANCE TO FINISH
Engineering services for the month of September 2022.						
Work Authorization #1 - Engineering services required for the completion of the Environmental Document, Public Involvement and Schematic Design.						
10201-Project Coordination	45,000.00	45,000.00		45,000.00	100.0	-
11002-Schematic Roadway Outfalls	236,640.00	236,640.00		236,640.00	100.0	-
11005-Preliminary Compensable Utilities	54,000.00	54,000.00		54,000.00	100.0	-
11007-Prel. Ownership Roadway	70,000.00	70,000.00		70,000.00	100.0	-
11008-Schematic update TxDOT/FHWA	30,000.00	19,500.00	1,500.00	21,000.00	70.0	9,000.00
11009-Prel. Ownership Outfalls	35,000.00	35,000.00		35,000.00	100.0	-
11011-Traffic Data as per TxDOT	18,288.72	18,288.72		18,288.72	100.0	-
11012-Intersection Layouts	65,000.00	65,000.00		65,000.00	100.0	-
110110-Traffic Data as Per TxDOT	21,711.28	21,711.28		21,711.28	100.0	-
12002-Public Involvement (PM)	67,200.00	57,120.00	3,360.00	60,480.00	90.0	6,720.00
12003-Public Involvement (PH)	27,000.00			0.00	0.0	27,000.00
12006-Environmental Document with TxDOT	135,000.00	72,900.00	8,100.00	81,000.00	60.0	54,000.00
12007-Archeological & Historical	12,000.00	4,800.00	1,200.00	6,000.00	50.0	6,000.00
12008-Eng/Public Meeting	31,500.00	26,775.00	1,575.00	28,350.00	90.0	3,150.00
12009-Eng/Public Hearing	22,500.00			0.00	0.0	22,500.00
12070-Archeological & Historical/SUB	18,000.00	569.88	3,476.86	4,046.74	22.5	13,953.26
15005-Field Surveys Outfalls	57,345.82	45,876.66	5,734.58	51,611.24	90.0	5,734.58
15006-Field Surveys Roadway	38,909.00	33,072.65	1,945.45	35,018.10	90.0	3,890.90
15007-Sub Surface Utilities	35,719.70	22,503.41	6,786.74	29,290.15	82.0	6,429.55
15050-Field Surveys Outfalls/SUB	20,836.00	15,627.00		15,627.00	75.0	5,209.00
15060-Field Surveys Roadway/SUB	135,091.00	106,818.00		106,818.00	79.1	28,273.00
15070-Sub Surface Utilities/SUB	50,000.00	17,500.00	23,500.00	41,000.00	82.0	9,000.00
16101-Hydrological Map	90,000.00	90,000.00		90,000.00	100.0	-
16204-Traffic Signal Warrants	2,038.53	2,038.53		2,038.53	100.0	-
16240-Traffic Signal Warrants/SUB	51,961.47	51,961.47		51,961.47	100.0	-
Sub Total	1,370,741.52	1,112,702.60	57,178.63	1,169,881.23		200,860.29

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

INVOICE#: 11329115
INVOICE DATE: 9/30/2022

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

JOB: 180701
Mile 10 Project - WA#1
PO#796083
(From: Mile 6 to FM 1015)

DESCRIPTION	CONTRACT	PREVIOUS APPLICATIONS	CURRENT COMPLETED	TOTAL COMPLETED	% COMPL	BALANCE TO FINISH
Supplemental #1 to Work Authorization #1 - Include costs associated with Capacity and Level Service Analysis						
15008-Capacity & Level Analysis	19,094.59	18,139.86		18,139.86	95.0	954.73
15080-Capacity & Level Analysis/SUB	36,905.41	35,060.13		35,060.13	95.0	1,845.28
Sub Total	56,000.00	53,199.99	0.00	53,199.99		2,800.01
TOTAL:	<u>1,426,741.52</u>	<u>1,165,902.59</u>	<u>57,178.63</u>	<u>1,223,081.22</u>	85.7	<u>203,660.30</u>

ORIGINAL CONTRACT SUM	\$	1,370,741.52
CHANGE BY CHANGE ORDER	\$	56,000.00
CONTRACT SUM TO DATE	\$	1,426,741.52
TOTAL COMPLETED TO DATE	\$	1,223,081.22
LESS PREVIOUS INVOICES	\$	1,165,902.59
CURRENT PAYMENT DUE	\$	57,178.63



PROJECT MANAGER'S SIGNATURE

R. O. W. Surveying Services, L.L.C.

900 S. Stewart Road, Suite 13
Mission, Texas 78572
TBPLS Reg. # 10193886
956-424-3335

INVOICE

INVOICE NUMBER : R22-034
Date: September 27, 2022
Our Order No.: R19059
L&G Job No.: 180701

BILL TO:

Jacinto Garza, P.E.
L & G Engineering
Attn: Carlos Peralez, P.E.
2100 W. Expressway 83
Mercedes, Texas 78570

RE: Mile 10 Road Project (Work Authorization No. 46)
Limits: From Mile 6 Road to FM 1015
Hidalgo County Precinct No. 1

Task and Description	Contract Amount	Invoice to Date	Paid to Date	Current Amount Due	Contract Balance	Amount
Function Code 150:						
Phase I - FC 150 Field Surveying (Control Hz & Vt)						
A. Primary Project Control						
a. Establish Primary Control						
B. Secondary Project Control						
a. Set Additional Secondary Control Points as Needed	\$2,477.00	\$2,477.00	\$2,477.00	\$0.00	\$0.00	100.00%
b. Horizontal Values Established with RTK or VRS	\$2,641.00	\$2,641.00	\$2,641.00	\$0.00	\$0.00	100.00%
c. Vertical Values Established with Digital Level	\$12,161.00	\$12,161.00	\$12,161.00	\$0.00	\$0.00	100.00%
Phase II - DTM Topography and Cross Sections (Total Length including side streets, drain, and irrigation crossings = 4.88 Miles)						
C. Setting Benchmarks						
1. Setting Benchmark @ 1,000' (ft.) intervals	\$3,720.00	\$3,720.00	\$3,720.00	\$0.00	\$0.00	100.00%
2. Topographic & Cross Sections	\$5,032.00	\$3,774.00	\$3,774.00	\$0.00	\$1,258.00	75.00%
3. Locate Visible Utilities	\$5,032.00	\$3,774.00	\$3,774.00	\$0.00	\$1,258.00	75.00%
5. Right of Entry, ROW Research, Appraisal District Records	\$1,981.00	\$1,486.00	\$1,486.00	\$0.00	\$495.00	75.01%
6. Proposed Centerline on Existing Pavement Pre-Construction for Utilities	\$4,010.00	\$3,008.00	\$3,008.00	\$0.00	\$1,002.00	75.01%
7. Profile and Cross Section Intersecting Streets	\$9,480.00	\$7,110.00	\$7,110.00	\$0.00	\$2,370.00	75.00%
10. Tie Existing Underground & Overhead Utilities Coordinate w/Engineer (No SUE)	\$5,077.00	\$3,808.00	\$3,808.00	\$0.00	\$1,269.00	75.00%
11. Additional Field Surveying						
a. Irrigation Lines	\$4,749.00	\$3,562.00	\$3,562.00	\$0.00	\$1,187.00	75.01%
c. Driveways and Turnouts	\$3,792.00	\$2,844.00	\$2,844.00	\$0.00	\$948.00	75.00%
18. Provide temp, signs, traffic control, flags, safety equip., etc.	\$9,920.00	\$7,440.00	\$7,440.00	\$0.00	\$2,480.00	75.00%
15. Ties to Existing Bridges/Culverts that may be in conflict w/New Construction	\$2,826.00	\$2,120.00	\$2,120.00	\$0.00	\$706.00	75.02%
16. Inventory Signs, Mailboxes, & Driveways	\$3,136.00	\$2,352.00	\$2,352.00	\$0.00	\$784.00	75.00%
17. Survey Control Data Sheets per TxDOT	\$1,156.00	\$867.00	\$867.00	\$0.00	\$289.00	75.00%
18. Recover and Establish Existing CL and ROW	\$11,462.00	\$10,316.00	\$10,316.00	\$0.00	\$1,146.00	90.00%
19. Coordinate with Engineer for Existing CL Stationing	\$374.00	\$374.00	\$374.00	\$0.00	\$0.00	100.00%
20. Right of Way Restaking (Pre-Construction)	\$4,626.00	\$3,470.00	\$3,470.00	\$0.00	\$1,156.00	75.01%
21. SUE Level A Data Sheets	\$2,968.00	\$0.00	\$0.00	\$0.00	\$2,968.00	0.00%
Final Report & Deliverables						
A. CADD file (2D & 3D) for limits of project	\$4,920.00	\$3,690.00	\$3,690.00	\$0.00	\$1,230.00	75.00%
B. Final Report and Deliverables	\$14,980.00	\$11,235.00	\$11,235.00	\$0.00	\$3,745.00	75.00%
Project Management and Oversight						
A. Meeting and Coordination w/ Engineers	\$2,590.00	\$1,943.00	\$1,943.00	\$0.00	\$647.00	75.02%
B. QC/QA Survey	\$13,340.00	\$10,005.00	\$10,005.00	\$0.00	\$3,335.00	75.00%
Sub-Total (FC 150)-Field Survey:	\$135,091.00	\$106,818.00	\$106,818.00	\$0.00	\$28,273.00	79.07%
Phase III - DTM Topography & Cross Sections Outfalls (Total Length including drain & irrig. crossings approx. 1.3 Miles/7,000 ft. @500 ft per drain ditch & irrig. canal)						
4. Cross Culverts, Driveway Culverts, Inverts	\$3,920.00	\$2,940.00	\$2,940.00	\$0.00	\$980.00	75.00%
8. Irrigation Crossings	\$3,792.00	\$2,844.00	\$2,844.00	\$0.00	\$948.00	75.00%
9. Existing Storm Drain H&V	\$4,376.00	\$3,282.00	\$3,282.00	\$0.00	\$1,094.00	75.00%
11b. Outfalls	\$2,084.00	\$1,563.00	\$1,563.00	\$0.00	\$521.00	75.00%
12. Profiles of Existing Drainage Facilities	\$1,896.00	\$1,422.00	\$1,422.00	\$0.00	\$474.00	75.00%
13. Obtain Elevations of Manholes and Utility Valves	\$4,768.00	\$3,576.00	\$3,576.00	\$0.00	\$1,192.00	75.00%
Sub-Total (FC 150)-Drainage Outfalls and Irrigation:	\$20,836.00	\$15,627.00	\$15,627.00	\$0.00	\$5,209.00	75.00%
Phase IV - Subsurface Utility Engineering						
I. Hydro Excavation SUE Level A						
(+/-4.0 miles including drainage outfalls @ 25/mile proposed 100 holes @ \$500.00)	\$50,000.00	\$41,000.00	\$17,500.00	\$23,500.00	\$9,000.00	82.00%
Sub-Total Phase IV~ SUE:	\$50,000.00	\$41,000.00	\$17,500.00	\$23,500.00	\$9,000.00	82.00%
GRAND TOTAL:	\$205,927.00	\$163,445.00	\$139,945.00		\$42,482.00	79.37%
			TOTAL DUE:	\$23,500.00		

DIRECT ALL INQUIRIES TO:
JULIO CERDA, P.E.
(956)451-2670
email: julio@southtexasig.com

MAKE ALL CHECKS PAYABLE TO:
R. O. W. Surveying Services, L.L.C.
Attn: JULIO CERDA, P.E.
900 S. Stewart Road, Suite #13, Mission, Texas 78572

THANK YOU FOR YOUR BUSINESS!



Invoice for Professional Services

To: L&G Consulting Engineers, Inc.
2100 West Expressway 83
Mercedes, TX 78570

From: AmaTerra Environmental, Inc.
11842 Rim Rock Trail
Austin, TX 78737

Phone (512) 329-0031

Attn: Velma Garcia, velma@lgengineers.com
cc: agarcia@lgengineers.com

AmaTerra Mgr: Deborah Dobson-Brown
ddbrown@amaterra.com

WA 30 Mile 10 from Mile 6 Road
to FM 1015

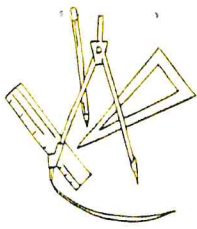
AmaTerra
Project # 184-040

Invoice Date September 20, 2022	Invoice Period August 22-September 18, 2022	Invoice No. 184-040-02	Terms Net 30	Due Date October 20, 2022
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Value Completed by Work Task

Project Task	Contract Value	percent complete	Value Completed	Previously Invoiced	Amount Due
1. Archeological Studies	\$2,095.00	70.00%	\$1,466.50	\$83.80	\$1,382.70
2. Historic Studies	\$17,766.00	12.00%	\$2,131.92	\$355.32	\$1,776.60
3. Management	\$1,868.00	24.00%	\$448.32	\$130.76	\$317.56
Total	\$21,729.00	18.6%	\$4,046.74	\$569.88	\$3,476.86

Thank You for including AmaTerra as part of your Project Team!	TOTAL	\$3,476.86
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October 3, 2022

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

RE: Mile 10 Project – WA#1
Limits: Mile 6 to FM 1015
PO#796083 - L&G Project#180701

Dear Commissioner Fuentes:

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

The following is attached:

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

Work Authorization#1 – Engineering services required for the completion of the Environmental Document, Public Involvement and Schematic Design

		<i>% Complete</i>
FC 10200 – DETERMINE OF LOCAL COST vs STATE COST and AGREEMENTS/AFA WITH TxDOT/LPA COORDINATION		
This task is now complete.	L&G	100%
FC 11002 – SCHEMATIC FOR ROADWAY & OUTFALLS		
This task is now complete.	L&G	100%
FC 11005 – PRELIMINARY COMPENSABLE UTILITIES IDENTIFICATION ON SCHEMATIC (ROADWAY AND OUTFALLS)		
This task is now complete.	L&G	100%
FC 11007 – OFFICE SURVEYS FOR SCHEMATIC (PREL. OWNERSHIP IDENTIFICATION AND PROPERTY RIGHTS) ROADWAY		
This task is now complete.	L&G	100%

FC 11008 – UPDATE SCHEMATIC BASED ON COMMENTS AS PROVIDED BY TxDOT / FHWA		
L&G submitted the roadway and outfall schematics in preparation for a DCC held June 10, 2022 and Public Meeting to be scheduled by TxDOT. TxDOT comments were received July 15, 2022 and have been incorporated into the schematic.	L&G	70%
FC 11009 – OFFICE SURVEYS FOR SCHEMATIC (PREL. OWNERSHIP IDENTIFICATION AND PROPERTY RIGHTS) 1.5 MILES OF OUTFALLS		
This task is complete.	L&G	100%
FC 11011 – TRAFFIC DATA REQUEST AS PER TxDOT DIRECTIVE		
This task is complete.	L&G	100%
FC 11012 – SCHEMATIC LAYOUT FOR INTERSECTION LAYOUTS (MILE 5 ½, FM 88 Mile 4 ½, Mile 4, Mile 3 ½, FM 1015		
This task is now complete.	L&G	100%
FC 110110 - TRAFFIC DATA REQUEST AS PER TxDOT DIRECTIVE		
This task is now complete.	C&M	100%
FC 12002 – PUBLIC INVOLVEMENT FOR THE PROJECT WITH STAKEHOLDERS AND 1 PUBLIC MEETING		
UPDATE: L&G has been updating the PowerPoint presentations for the In-Person Public Meeting scheduled for October 19, 2022 and the Virtual Public Meeting presentations in English and Spanish. Have prepared packets for mailing to affected property owners and letters to elected officials and stakeholders. Have booked the court reporter and translation services for the public meeting.	L&G	90%
FC 12003 – EITHER ADDRESS THE PUBLIC OR HOLD 1 PUBLIC HEARING		
This task has not begun.	L&G	0%
FC 12006 – ENVIRONMENTAL DOCUMENT WITH TxDOT		
UPDATE: L&G submitted the Community Impacts Assessment Technical Report and ordered the data search for hazardous materials and finalizing the Hazardous Materials Technical Report for submission.	L&G	60%
FC 12007 - ARCHEOLOGICAL AND HISTORICAL RESEARCH		
UPDATE: L&G provided the sub-consultant the necessary data to begin preparing their background research in their first phase of their technical reports and reviewed and submitted the Archeological Background Study for comments to TxDOT. In addition, provided comments on the Project Coordination Request.	L&G	50%
FC 12008 – ENGINEERING TECHNICAL SUPPORT AT PUBLIC MEETINGS WITH LAYOUTS etc.		
UPDATE: L&G is finalizing public meeting exhibits for the upcoming Virtual Public Meeting with the In-Person Option.	L&G	90%

FC 12009 – ENGINEERING TECHNICAL SUPPORT TO ADDRESS PUBLIC HEARING WITH LAYOUTS etc.		
This task has not begun	L&G	0%
FC 12070 – ARCHEOLOGICAL AND HISTORICAL RESEARCH / SUB		
UPDATE: The sub-consultant submitted the Archeological Background Study and was submitted to TxDOT for review and are finalizing the Project Coordination Request.	AmaTerra	22.5%
FC 15005 – FIELD SURVEYS FOR DESIGN AND CONSTRUCTION OF OUTFALLS		
L&G has received and reviewed approx. 80% of survey work for the outfalls. Comments were generated and provided to ROWSS for updating.	L&G	90%
FC 15006 – FIELD SURVEYS FOR DESIGN AND CONSTRUCTION OF ROADWAY		
L&G Engineering has completed the design survey contracts with the surveyor and identified limits of the surveys and outfalls. The surveyor was provided with a preliminary schematic for their reference and limits of the various outfalls identified. L&G has reviewed all survey work completed to date for accuracy.	L&G	90%
FC 15007 – SUB-SURFACE UTILITY ENGINEERING (SUE) 25 POT HOLES / MILE		
UPDATE: Coordination with the surveyor continues so that we can complete the SUE data collection. Critical utilities along the project corridor were identified by L&G and provided to the Surveyor for SUE – Level A. L&G continues to update schematic with latest utility info as it is received.	L&G	82%
FC 15050 - FIELD SURVEYS FOR DESIGN AND CONSTRUCTION OF OUTFALLS / SUB		
ROWSS (sub) has completed approx. 75% of survey for Outfalls 1 and 4. No change from prior invoice.	ROWSS	75%
FC 15060 - FIELD SURVEYS FOR DESIGN AND CONSTRUCTION OF ROADWAY / SUB		
ROWSS (sub) has performed the following to date: <ul style="list-style-type: none"> • Establishing primary and secondary control • Completed BM's throughout the project. Has provided Vertical Control sheets • Has recovered existing ROW • Has recovered existing centerline of roadway. • Has collected approx. 80% of topo and DTM. No change from prior invoice.	ROWSS	79.1%
FC 15070 - SUB-SURFACE UTILITY ENGINEERING (SUE) 25 POT HOLES / MILE / SUB		
UPDATE: Hydro excavation of 82 holes has been completed. Electronic data has been updated in DGN format and SUE Level-A data sheets have been submitted to L&G Engineering.	ROWSS	82%

FC 16101 – HYDROLOGICAL MAP FOR 4 OUTFALL DRAIN DITCHES (OUTFALL AND CAPACITIES)		
A Hydraulic Report has been completed. It has been updated for comments that were received from TxDOT on a similar project (Mile 6 W). L&G has submitted the map and signed and sealed report to TxDOT in preparation for a Design Concept Conference held June 10, 2022 and Public Meeting to be scheduled by TxDOT. This task is now complete.	L&G	100%
FC 16204 – TRAFFIC SIGNAL WARRANTS (6 LOCATIONS)		
This task is now complete.	L&G	100%
FC 16240 – TRAFFIC SIGNAL WARRANTS (6 LOCATIONS) / SUB		
This task is now complete.	ETSI	100%

Supplemental #1 to Work Authorization #1 – To include costs associated with Capacity and Level Service Analysis

		% Complete
FC 15008 – CAPACITY & LEVEL ANALYSIS		
L&G has compiled and provided pertinent project related data necessary for LOS Analysis such as traffic projects, surrounding project area development information, and schematic. A draft LOS report summarizing findings, addressing existing and proposed alternative conditions, and capacity and access management improvement recommendations has been reviewed. L&G has provided comments and recommendations to ETSI on the draft LOS report. L&G has included the LOS report in the final schematic submittal. Upon TxDOT review and approval, this task will be complete. No change from prior invoice.	L&G	95%
FC 15080 – CAPACITY & LEVEL ANALYSIS / SUB		
ETSI has substantially completed collection and review of pertinent project related data and conducted field reconnaissance. ETSI has assessed traffic projections and trip generation, and has developed existing conditions and alternative scenarios using the SYNCHRO platform. A draft report was developed for L&G review and comment that provides capacity and access management improvement recommendations. ETSI has completed the LOS report to be included in the final schematic submittal. Upon TxDOT review and approval, this task will be complete. No change from prior invoice.	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,



Jordan Sinclair, P.E.
Project Manager

PROJECT DEVELOPMENT SCHEDULE
 MILE 10 N (CSJ: 0921-02-360)
 From Mile 6 W To EM 1015
 Length = 3.0 miles

TASK AND DESCRIPTION	2018			2019			2020			2021			2022			2023			COUNTY DURATION EST. (MONTHS)
	Q1	Q2	Q3	Q1	Q2	Q3	Q1	Q2	Q3	Q1	Q2	Q3	Q1	Q2	Q3	Q1	Q2	Q3	
Phase I: Schematic & Environmental																			
Phase II: PS&E, Surveys, and ROW Mapping																			
Phase III: ROW Acq. & Comp. Util. Management																			
Phase IV: Construction																			

* Note: Schedule assumes project will be moved from FY2023 to FY2028