

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

INVOICE#: 11329344
INVOICE DATE: 3/31/2023

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 March 2023.						
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	22,500.00		22,500.00	75.0	7,500.00
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	67,200.00		67,200.00	100.0	-
12003-Public Involvement (PH)	27,000.00	5,400.00	2,700.00	8,100.00	30.0	18,900.00
12006-Environmental Document with TxDOT	135,000.00	130,950.00	1,350.00	132,300.00	98.0	2,700.00
12007-Archeological & Historical	12,000.00	9,600.00	1,200.00	10,800.00	90.0	1,200.00
12008-Eng/Public Meeting	31,500.00	31,500.00		31,500.00	100.0	-
12009-Eng/Public Hearing	22,500.00	4,500.00	2,250.00	6,750.00	30.0	15,750.00
12070-Archeological & Historical/SUB	18,000.00	11,528.86		11,528.86	64.0	6,471.14
15005-Field Surveys Outfalls	57,345.82	51,611.24		51,611.24	90.0	5,734.58
15006-Field Surveys Roadway	38,909.00	35,018.10		35,018.10	90.0	3,890.90
15007-Sub Surface Utilities	35,719.70	32,147.73		32,147.73	90.0	3,571.97
15050-Field Surveys Outfalls/SUB	20,836.00	15,627.00	2,083.60	17,710.60	85.0	3,125.40
15060-Field Surveys Roadway/SUB	135,091.00	106,818.00	9,661.95	116,479.95	86.2	18,611.05
15070-Sub Surface Utilities/SUB	50,000.00	41,000.00		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	1,255,040.93	19,245.55	1,274,286.48		96,455.04

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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>1,308,240.92</u>	<u>19,245.55</u>	<u>1,327,486.47</u>	93.0	<u>99,255.05</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	\$ 1,327,486.47
LESS PREVIOUS INVOICES	\$ 1,308,240.92
CURRENT PAYMENT DUE	\$ 19,245.55



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 : **R23-010**
Date: **March 23, 2023**
Our Order No.: **R19059**
L&G Job No.: **180701**

BILL TO:
Jacinto Garza, P.E.
L & G Engineering
Attn: **Jordan Sinclair, P.E.**
2100 W. Expressway 83
Mercedes, Texas 78570

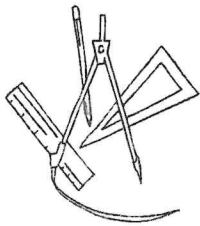
RE: Mile 10 Road Project (Work Authorization No. 46)
Limits: From Mile 6 Road to FM 1015
Hidalgo County Precinct No. 1

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	\$2,477.00	\$2,477.00	\$2,477.00	\$0.00	\$0.00	100.00%
B. Secondary Project Control						
a. Set Additional Secondary Control Points as Needed	\$2,641.00	\$2,641.00	\$2,641.00	\$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	\$4,277.20	\$3,774.00	\$503.20	\$754.80	85.00%
3. Locate Visible Utilities	\$5,032.00	\$4,277.20	\$3,774.00	\$503.20	\$754.80	85.00%
5. Right of Entrv, ROW Research, Appraisal Distrist Records	\$1,981.00	\$1,683.85	\$1,486.00	\$197.85	\$297.15	85.00%
6. Proposed Centerline on Existing Pavement Pre-Construction for Utilities	\$4,010.00	\$3,408.50	\$3,008.00	\$400.50	\$601.50	85.00%
7. Profile and Cross Section Intersecting Streets	\$9,480.00	\$8,058.00	\$7,110.00	\$948.00	\$1,422.00	85.00%
10. Tie Existing Underground & Overhead Utilities Coordinae w/Engineer (No SUE)	\$5,077.00	\$4,315.45	\$3,808.00	\$507.45	\$761.55	85.00%
11. Additional Field Surveying						
a. Irrigation Lines	\$4,749.00	\$4,036.65	\$3,562.00	\$474.65	\$712.35	85.00%
c. Driveways and Turnouts	\$3,792.00	\$3,223.20	\$2,844.00	\$379.20	\$568.80	85.00%
18. Provide temp, signs, traffic control, flags, safety equip., etc.	\$9,920.00	\$8,432.00	\$7,440.00	\$992.00	\$1,488.00	85.00%
15. Ties to Existing Bridges/Culverts that may be in conflict w/New Constuction	\$2,826.00	\$2,402.10	\$2,120.00	\$282.10	\$423.90	85.00%
16. Inventory Signs, Mailboxes, & Driveways	\$3,136.00	\$2,665.60	\$2,352.00	\$313.60	\$470.40	85.00%
17. Survey Control Data Sheets per TxDOT	\$1,156.00	\$982.60	\$867.00	\$115.60	\$173.40	85.00%
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	\$3,932.10	\$3,470.00	\$462.10	\$693.90	85.00%
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	\$4,182.00	\$3,690.00	\$492.00	\$738.00	85.00%
B. Final Report and Deliverables	\$14,980.00	\$12,733.00	\$11,235.00	\$1,498.00	\$2,247.00	85.00%
Project Management and Oversight						
A. Meeting and Coordination w/ Engineers	\$2,590.00	\$2,201.50	\$1,943.00	\$258.50	\$388.50	85.00%
B. QC/QA Survey	\$13,340.00	\$11,339.00	\$10,005.00	\$1,334.00	\$2,001.00	85.00%
Sub-Total (FC 150)-Field Survey:	\$135,091.00	\$116,479.95	\$106,818.00	\$9,661.95	\$18,611.05	86.22%
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	\$3,332.00	\$2,940.00	\$392.00	\$588.00	85.00%
8. Irrigation Crossings	\$3,792.00	\$3,223.20	\$2,844.00	\$379.20	\$568.80	85.00%
9. Existing Storm Drain H&V	\$4,376.00	\$3,719.60	\$3,282.00	\$437.60	\$656.40	85.00%
11b. Outfalls	\$2,084.00	\$1,771.40	\$1,563.00	\$208.40	\$312.60	85.00%
12. Profiles of Existing Drainage Faciilites	\$1,896.00	\$1,611.60	\$1,422.00	\$189.60	\$284.40	85.00%
13. Obtain Elevations of Manholes and Utility Valves	\$4,768.00	\$4,052.80	\$3,576.00	\$476.80	\$715.20	85.00%
Sub-Total (FC 150)-Drainage Outfalls and Irrigation:	\$20,836.00	\$17,710.60	\$15,627.00	\$2,083.60	\$3,125.40	85.00%
Phase IV - Subsurface Utility Engineering						
1. Hydro Excavation SUE Level A (+/-4.0 miles including drainage outfalls @ 25/mile proposed 100 holes @ \$500.00)	\$50,000.00	\$41,000.00	\$41,000.00	\$0.00	\$9,000.00	82.00%
Sub-Total Phase IV~ SUE:	\$50,000.00	\$41,000.00	\$41,000.00	\$0.00	\$9,000.00	82.00%
GRAND TOTAL:	\$205,927.00	\$175,190.55	\$163,445.00	\$11,745.55	\$30,736.45	85.07%
			TOTAL DUE:	\$11,745.55		

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!



April 3, 2023

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 the month of March 2023.

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

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

FC 11008 – UPDATE SCHEMATIC BASED ON COMMENTS AS PROVIDED BY TxDOT / FHWA		
L&G submitted the roadway and outfall schematics to TxDOT for the October 2022 public meeting. No public comments requiring schematic revision have been received to date. Pending TxDOT/FHWA comments. No change from prior invoice.	L&G	75%
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 complete.	L&G	100%
FC 110110 - TRAFFIC DATA REQUEST AS PER TxDOT DIRECTIVE		
This task is complete.	C&M	100%
FC 12002 – PUBLIC INVOLVEMENT FOR THE PROJECT WITH STAKEHOLDERS AND 1 PUBLIC MEETING		
This task is complete.	L&G	100%
FC 12003 – EITHER ADDRESS THE PUBLIC OR HOLD 1 PUBLIC HEARING		
UPDATE: L&G is continues to update the mailing list in anticipation of the next phase of public involvement.	L&G	30%
FC 12006 – ENVIRONMENTAL DOCUMENT WITH TxDOT		
UPDATE: The Env Group continues to complete the final technical reports and waiting for approval.	L&G	98%
FC 12007 - ARCHEOLOGICAL AND HISTORICAL RESEARCH		
UPDATE: The Env Group continues to work on obtaining ROE from affected property owners and is coordinating the historical resource survey with Sub.	L&G	90%
FC 12008 – ENGINEERING TECHNICAL SUPPORT AT PUBLIC MEETINGS WITH LAYOUTS etc.		
This task is complete.	L&G	100%
FC 12009 – ENGINEERING TECHNICAL SUPPORT TO ADDRESS PUBLIC HEARING WITH LAYOUTS etc.		
UPDATE: L&G is updating the schematics and hydro-maps in anticipation of the next phase of public involvement.	L&G	30%

FC 12070 – ARCHEOLOGICAL AND HISTORICAL RESEARCH / SUB		
The Research Design was submitted and approved. Preparing the Survey Design Report for submittal and approval in order to schedule a survey for the project. No change from prior invoice.	AmaTerra	64%
FC 15005 – FIELD SURVEYS FOR DESIGN AND CONSTRUCTION OF OUTFALLS		
L&G has received, reviewed, and incorporated the survey work completed for the outfalls. Comments were generated and provided to ROWSS for updating. No change from prior invoice.	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 and incorporated the information into the schematic. No change from prior invoice.	L&G	90%
FC 15007 – SUB-SURFACE UTILITY ENGINEERING (SUE) 25 POT HOLES / MILE		
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 has reviewed the SUE – Level A information provided to date for completeness and incorporated the information into the schematic design. No change from prior invoice.	L&G	90%
FC 15050 - FIELD SURVEYS FOR DESIGN AND CONSTRUCTION OF OUTFALLS / SUB		
ROWSS (sub) has completed approx. 85% of survey for Outfalls 1 and 4.	ROWSS	85%
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 and centerline of roadway • Has collected approx. 85% of topo and DTM. 	ROWSS	86.2%
FC 15070 - SUB-SURFACE UTILITY ENGINEERING (SUE) 25 POT HOLES / MILE / SUB		
Hydro excavation of 82 holes has been completed and SUE Level-A data sheets have been submitted to L&G Engineering. No change from prior invoice.	ROWSS	82%
FC 16101 – HYDROLOGICAL MAP FOR 4 OUTFALL DRAIN DITCHES (OUTFALL AND CAPACITIES)		
This task is complete.	L&G	100%

FC 16204 – TRAFFIC SIGNAL WARRANTS (6 LOCATIONS)		
This task is complete.	L&G	100%
FC 16240 – TRAFFIC SIGNAL WARRANTS (6 LOCATIONS) / SUB		
This task is 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. A revised report and comment-response form was submitted to TxDOT in February 2023. L&G continues to address TxDOT questions as received. Pending TxDOT Approval. 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 been developed for L&G review and comment that provides capacity and access management improvement recommendations. A revised report and comment-response form was submitted to TxDOT in February 2023. Pending TxDOT Approval. 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 B. Sinclair, P.E.
Project Manager

