

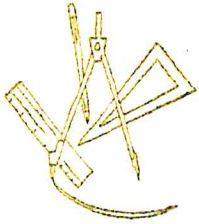
L & G Consulting Engineers Inc
2100 W. Expressway 83
Mercedes, TX 78570
(956) 565-9813 Fax (956) 565-9018

INVOICE #: 11328283
INVOICE DATE: 08/31/20

BILL TO: 34
Hidalgo County Pct. #1
902 Joe Stephens
Weslaco, TX 78596

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

<u>DESCRIPTION</u>	<u>CONTRACT</u>	<u>PREVIOUS APPLICATIONS</u>	<u>CURRENT COMPLETED</u>	<u>TOTAL COMPLETED</u>	<u>% COMPL</u>	<u>BALANCE TO FINISH</u>
Engineering services for the month of August 2020.						
Work Authorization #1 - Engineering services required for the completion of the Environmental Document, Public Involvement and Schematic Design.						
10201-Project Coord.	45,000.00	42,750.00	2,250.00	45,000.00	100.0	
11002-Schm Rdwy Outf	236,640.00	189,312.00	11,832.00	201,144.00	85.0	35,496.00
11005-Pre Comp Utlty	54,000.00	40,500.00	8,100.00	48,600.00	90.0	5,400.00
11007-Prelim ROW Req	70,000.00	52,500.00	10,500.00	63,000.00	90.0	7,000.00
11008-Schm Updt TxDO	30,000.00	9,000.00		9,000.00	30.0	21,000.00
11009-Pre ROW Outfal	35,000.00	26,250.00	8,750.00	35,000.00	100.0	
11011-Traffic Data	18,288.72	18,288.72		18,288.72	100.0	
11012-Intersection	65,000.00	45,500.00		45,500.00	70.0	19,500.00
110110-Traffic Data	21,711.28	21,711.28		21,711.28	100.0	
12002-Pub Invmt (PM)	67,200.00	23,520.00		23,520.00	35.0	43,680.00
12003-Pub Invmt (PH)	27,000.00				0.0	27,000.00
12006-Env Doc TxDOT	135,000.00	43,200.00		43,200.00	32.0	91,800.00
12007-Arch & Hist	12,000.00	1,680.00		1,680.00	14.0	10,320.00
12008-Eng/Pub Mtgs	31,500.00	9,450.00		9,450.00	30.0	22,050.00
12009-Eng/Pub Hearin	22,500.00				0.0	22,500.00
12070-Arch & Hist/SU	18,000.00				0.0	18,000.00
15005-Field Srvy Out	57,345.82	43,009.37		43,009.37	75.0	14,336.45
15006-Field Srvy Rdw	38,909.00	30,777.02		30,777.02	79.1	8,131.98
15007-Sub-Srfce Utlt	35,719.00	12,501.65		12,501.65	35.0	23,217.35
15050-Fld Srvy Out/S	20,836.00	15,627.00		15,627.00	75.0	5,209.00
15060-Field Surveys	135,091.00	106,818.00		106,818.00	79.1	28,273.00
15070-Sub-Surface Ut	50,000.00	2,500.00	5,000.00	7,500.00	15.0	42,500.00
16101-Hydro Map	90,000.00	67,500.00		67,500.00	75.0	22,500.00
16204-Sign Warrants	2,038.53	1,954.95		1,954.95	95.9	83.58
16240-Signal Warrant	51,961.47	49,808.99		49,808.99	95.9	2,152.48
TOTALS:	1,370,740.82	854,158.98	46,432.00	900,590.98	65.7	470,149.84



September 1, 2020

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 in support of a request for payment. Attached for your approval is our invoice for the month of August 2020.

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		
The updated Mile 10 AFA has been executed by the county and has been submitted to TxDOT for their signature. The County should be receiving the fully executed AFA soon. This task is complete.	L&G	100%
FC 11002 – SCHEMATIC FOR ROADWAY & OUTFALLS		
L&G has received the existing ROW basemap from our surveyor. The proposed alignment (best fit) has been finalized based on the basemap information. Preliminary profiles are being generated based on TIN information from our surveyor. Topographic information has been updated based on information provided by the surveyor. The schematic has been updated with call outs accordingly. L&G has identified HCDD#1 2018 Bond projects. L&G has determined estimated ROW and construction costs for both outfalls. L&G continues to develop the roadway and outfall schematics for submittal to TxDOT. The roadway and outfall schematics have been updated and are being prepared for submittal to TxDOT for their review and concurrence.	L&G	85%

FC 11005 – PRELIMINARY COMPENSABLE UTILITIES IDENTIFICATION ON SCHEMATIC (ROADWAY AND OUTFALLS)		
L&G has been coordinating with our surveyor to tie down compensable utilities along the roadway and outfalls. SUE data collected will be shown on the schematic as it becomes available. Irrigation and High voltage transmission lines have been identified and called out on the schematics accordingly. Field visits were made to the project and pictures were taken of the visible utilities located on the project. Letters were sent to the utilities to inform them of the project and to request any additional information they may have for their lines.	L&G	90%
FC 11007 – OFFICE SURVEYS FOR SCHEMATIC (PREL. OWNERSHIP IDENTIFICATION AND PROPERTY RIGHTS) ROADWAY		
Appraisal district database for the property ownership has been identified and placed on the preliminary schematic. Compensable utility ownership has been identified and placed on the preliminary schematic. Field visits were made to the project and pictures were taken of possible impacts of structures (houses, businesses, etc.), irrigation structures, and of outfalls for placement into the schematic. L&G continues to review the area for additional information.	L&G	90%
FC 11008 – UPDATE SCHEMATIC BASED ON COMMENTS AS PROVIDED BY TxDOT / FHWA		
All design and computer files have been generated to fit TxDOT design requirements. No change from prior invoice.	L&G	30%
FC 11009 – OFFICE SURVEYS FOR SCHEMATIC (PREL. OWNERSHIP IDENTIFICATION AND PROPERTY RIGHTS) 1.5 MILES OF OUTFALLS		
Property ownership information has been placed on the outfall schematics. Compensable utility ownership has been identified and placed on the schematics. A final review of the property ownership information was made. This task is complete.	L&G	100%
FC 11011 – TRAFFIC DATA REQUEST AS PER TxDOT DIRECTIVE		
This task is now 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		
These layouts are being developed for all major intersections. Left turn lanes will be provided at all intersections. No change from prior invoice.	L&G	70%
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		
L&G met and presented to the City of Weslaco Mayor and City Manager project and received support from Weslaco. No change from prior invoice.	L&G	35%

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		
L&G is updating the scoping documentation & corresponding attachments with the latest project information and new forms provided by TxDOT. L&G has begun framing the necessary technical reports based on TxDOT's new forms. L&G is coordinating with TxDOT & the County to set up a scoping meeting. No change from prior invoice.	L&G	32%
FC 12007 - ARCHEOLOGICAL AND HISTORICAL RESEARCH		
L&G continues to update the fact sheet, shapefiles, and map packet with the latest project information to provide to the sub. No change from prior invoice.	L&G	14%
FC 12008 – ENGINEERING TECHNICAL SUPPORT AT PUBLIC MEETINGS WITH LAYOUTS etc.		
A number of preliminary layouts have been presented to the City of Weslaco, the County and HCDD#1. A meeting was held with City Manager and Mayor of Weslaco to support the project. No change from prior invoice.	L&G	30%
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		
This task has not begun	AmaTerra	0%
FC 15005 – FIELD SURVEYS FOR DESIGN AND CONSTRUCTION OF OUTFALLS		
L&G has received and reviewed approx. 75% of survey work for the outfalls. Comments were generated and provided to ROWSS for updating. No change from prior invoice.	L&G	75%
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. No change from prior invoice.	L&G	79.1%
FC 15007 – SUB-SURFACE UTILITY ENGINEERING (SUE) 25 POT HOLES / MILE		
Coordination with the surveyor continues so that we can complete the SUE data. No change from prior invoice	L&G	35%

FC 15050 - FIELD SURVEYS FOR DESIGN AND CONSTRUCTION OF OUTFALLS / SUB		
ROWSS (sub) has completed approx. 75% of survey for Outfalls C1 and C4. 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		
Hydro excavation of 15 holes has been completed. Electronic data has been updated in DGN format in preparation for submittal to L&G Engineering. We continue to advance the SUE process.	ROWSS	15%
FC 16101 – HYDROLOGICAL MAP FOR 4 OUTFALL DRAIN DITCHES (OUTFALL AND CAPACITIES)		
L&G has begun developing a preliminary Hydrologic Map. We will continue to develop the Hydrologic Map in preparation for the upcoming public meeting. No change from prior invoice.	L&G	75%
FC 16204 – TRAFFIC SIGNAL WARRANTS (6 LOCATIONS)		
No change from prior invoice. Contract has been executed with Sub ETSI and scope of services was identified. ETSI was provided with a preliminary schematic and digital file for their reference. L&G has reviewed Warrant studies and has included recommendations on schematic.	L&G	95.9%
FC 16240 – TRAFFIC SIGNAL WARRANTS (6 LOCATIONS) / SUB		
No change from prior invoice. E.T.S.I. (sub) is approximately 96% complete with their Traffic Signal and Multi-Way Stop Warrant Study. The following tasks have been performed: <ul style="list-style-type: none"> * Collection of data and conduction of field investigations * Assessment of collected data * Accident data and analysis * Collision diagrams * Intersection exhibits * Warrant Analysis * Photo Album * Recommendations * Warrant Study Report 	ETSI	95.9%

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

Sincerely,

A handwritten signature in black ink, appearing to read 'Armando J. Sandoval' with a stylized flourish at the end.

Armando J. Sandoval, P.E.
Project Manager

R. O. W. SURVEYING SERVICES, L.L.C.

August 31, 2020

Jacinto Garza, President/CEO
L & G Engineering
Attn: Damien Tijerina, P.E.
2100 W. Expressway 83
Mercedes, Texas 78570

RE: Invoice #R20-054
Mile 10 Road Project
Work Authorization #46 (L&G Job No. 180701)
Limits: From Mile 6 Road to FM 1015 Road

Dear Mr. Tijerina:

Attached for your approval is our invoice for services rendered for the month of August, 2020. Additional attachment is the progress report.

Thank you for your business. Should you have any questions or require additional information, please do not hesitate to give me a call at (956) 424-3335.

Sincerely,



Julio Cerda, P.E.
President/CEO

R. O. W. SURVEYING SERVICES, L.L.C.

Progress Report as of August 31, 2020:

Function Code C150:

PHASE 1: Field Surveying (Control Hz & Vt)

A. *Primary Project Control*

Completed 100% of establishing primary controls.

B. *Secondary Project Control*

Completed 100% of establishing secondary controls.

PHASE 2 - DTM Topography & Cross Sections (Total Length including side streets, drain, and irrigation crossings = 4.88 Miles)

C. *Setting Benchmarks*

1. Setting Benchmarks @ 1,000' (ft) intervals
Re-established road benchmarks (100% completed).
2. Topography & Cross Section Survey
No Activity.
3. Locate Visible Utilities
No Activity.
5. Right of Entry, ROW Research, Appraisal District Records
No Activity.
6. Proposed Centerline on Existing Pavement Pre-Construction for Utilities
No Activity.
7. Profile and Cross Section Intersecting Streets
No Activity.
10. Tie Existing Underground & Overhead Utilities w/Engineer (No SUE)
No Activity.
11. Additional Field Surveying: Irrigation Lines, Outfalls, & Driveways & Turnouts
No Activity.
18. Provide Temporary Signs, Traffic control, flags, safety equipment, etc.
No Activity.
15. Ties to Existing Bridges/Culverts that may be in Conflict w/New Construction
No Activity.
16. Inventory Signs, Mailboxes, & Driveways
No Activity.
17. Survey Controlled Data Sheets per TxDOT guidelines
No Activity.
18. Recover and Establish Existing CL & ROW
No Activity.

R. O. W. SURVEYING SERVICES, L.L.C.

19. Coordinate with the Engineer for Existing CL Staking
No Activity.
20. Right-Of-Way Re-staking (Pre-Construction)
No Activity.
21. SUE Level A Data Sheets
No Activity.

Final Reports & Deliverables

- A. CADD file (2D &3D) for limits of Project
2D and 3D files continue to be updated and submitted for review (75% completed).
- B. Final Report and Deliverables
Reports continue to be updated and submitted for review (75% completed).

Project Management & Oversight

- A. Meeting & Coordination with Engineers
Continue coordination with Project Manager on progress of project.

Phase III – DTM Topography & Cross Sections Outfalls (Total length including drain & irrigation crossing approximately 1.3 miles/7,000 ft. @ 500 ft. per drain ditch & irrigation canal)

4. Cross Culverts, Driveway Culverts, Inverts
No Activity.
8. Irrigation Crossings
No Activity.
9. Existing Storm Drain H&V
No Activity.
- 11b. Outfalls
No Activity.
12. Profiles of Existing Drainage Facilities
No Activity.
13. Obtain Elevations of Manholes and Utility Valves
No Activity.

Phase IV – Subsurface Utility Engineering

1. Hydro Excavation SUE Level A
(+/-4.0 Miles including drainage outfalls @ 25/mile proposed 100 holes)
Hydro Excavation fifteen (15) holes total as of this month (15% completed).

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 : **R20-054**
Date: **August 31, 2020**
Our Order No.: **R19059**

BILL TO:

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

L&G Job No.: **180701**

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	\$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 Distrist 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 Coordinae 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 Constuction	\$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	\$7,500.00	\$0.00	\$5,000.00	\$42,500.00	15.00%
Sub-Total Phase IV~ SUE:	\$50,000.00	\$7,500.00	\$0.00	\$5,000.00	\$42,500.00	15.00%
GRAND TOTAL:	\$205,927.00	\$129,945.00	\$122,445.00		\$75,982.00	63.10%
			TOTAL DUE:	\$5,000.00		

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!

D.B.T.

