

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

INVOICE #: 11329382
INVOICE DATE: 04/30/23

BILL TO: 34

Hidalgo County Pct. #1
 902 Joe Stephens
 Weslaco, TX 78596

JOB: 180702

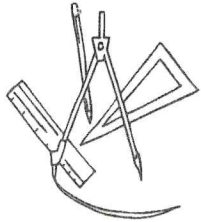
Mile 10 WA#2 Project
 (From: Mile 6 to FM 1015)
 PO#860539

<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 April 2023.						
12001-EA Reports	35,500.00				0.0	35,500.00
13002-ROW Mapping	96,000.00	6,720.00	7,680.00	14,400.00	15.0	81,600.00
13020-ROW Map/Sub	259,200.00		38,880.00	38,880.00	15.0	220,320.00
15006-Field Surveys	65,410.00	3,270.50	9,811.50	13,082.00	20.0	52,328.00
15060-Fld Srvys/SUB	20,990.00		4,198.00	4,198.00	20.0	16,792.00
16004-PS&E Roadway	1,584,000.00	237,600.00	79,200.00	316,800.00	20.0	1,267,200.00
16005-PS&E Outfalls	329,472.00	49,420.80		49,420.80	15.0	280,051.20
16006-Plans to TxDot	132,000.00	6,600.00		6,600.00	5.0	125,400.00
16180-Hydrologic Mod	60,000.00	51,000.00		51,000.00	85.0	9,000.00
16205-Signal Design	112,869.72		11,286.97	11,286.97	10.0	101,582.75
16250-Sgnl Dsgn/SUB	139,130.28				0.0	139,130.28
16308-Permitted Utili	151,200.00	15,120.00	7,560.00	22,680.00	15.0	128,520.00
16403-Project Mngmnt	300,000.00	30,000.00	15,000.00	45,000.00	15.0	255,000.00
16404-Local Let/Bid	60,000.00				0.0	60,000.00
33001-Geotechnical	42,000.00	21,000.00		21,000.00	50.0	21,000.00
TOTALS:	3,387,772.00	420,731.30	173,616.47	594,347.77	17.5	2,793,424.23

ORIGINAL CONTRACT SUM	\$ 3,387,772.00
CHANGE BY CHANGE ORDER	\$ 0.00
CONTRACT SUM TO DATE	\$ 3,387,772.00
TOTAL COMPLETED TO DATE	\$ 594,347.77
LESS PREVIOUS INVOICES	\$ 420,731.30
CURRENT PAYMENT DUE	\$ 173,616.47



PROJECT MANAGER'S SIGNATURE



May 1, 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#2
Limits: Mile 6 to FM 1015
PO#860539 - L&G Project#180702

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 April 2023.

The following is attached:

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

Work Authorization#2 – Engineering Services required for PS&E Development and Right-of-Way Map

		% Complete
FC 12001 ~ ADDITIONAL WORK ASSOCIATED WITH EA CLEARANCE		
This Task has not begun.	L&G	0%
FC 13002 ~ COMPLETE ROW MAP ROADWAY		
Contract has been generated with Sub ROWSS and scope of services was identified. ROWSS was provided with a final schematic for their reference. L&G continues to work with the surveyor to complete the preliminary ROW map.	L&G	15%
FC ~13020 ~ COMPLETE ROW MAP ROADWAY / SUB		
The surveyor has initiated the recovery of existing ROW and establishing a baseline. The surveyor has begun ROW research and appraisal district record retrieval for the roadway parcels.	ROWSS	15%
FC 15006 ~ ADDITIONAL FIELD SURVEYS		
L&G has reviewed the H&V Control as well as the existing ROW/Existing centerline and created a proposed centerline for the proposed PS&E from various meetings and submittals by ROWSS. Contracts have been generated	L&G	20%

with our subcontractor and L&G has provided all of the Proposed Alignments for ROWSS to continue the finalizing the Design Surveys for Construction. L&G continues to work with the surveyor to tie down the project corridor.		
FC 15060 ~ ADDITIONAL FIELD SURVEYS / SUB		
Surveyor has re-established road benchmarks and surveyed all visible utilities along the project route. Topo and SUE Level A data sheets are 20% complete.	ROWSS	20%
FC 16004 ~ PS&E DEVELOPMENT ROADWAY		
L&G has completed the proposed alignment with field verifications and is proceeding to complete the Plans, Specifications and Estimates. A preliminary Title Sheet, index of sheets, and typical sections have been produced.	L&G	20%
FC 16005 ~ PS&E DEVELOPMENT OUTFALLS		
L&G has completed the proposed alignment with field verifications and is proceeding to complete the Plans, Specifications and Estimates. A preliminary Title Sheet, index of sheets, and typical sections have been produced.	L&G	15%
FC 16006 ~ ENGINEERING FEE TO CREATE 1 SET OF PLANS AND SUBMIT TO TxDOT		
L&G is setting up all the plans to reflect the formats requested by TxDOT.	L&G	5%
FC 16101 ~ HYDROLOGIC MODEL & REPORT FOR ROADWAY		
L&G has prepared hydrologic and hydraulic models in HEC-RAS and HEC-HMS to study the project watershed, identify existing conditions, and proposed drainage improvements. A hydrologic & hydraulic report summarizing findings and has been prepared and submitted to TxDOT for review. L&G has addressed TxDOT comments and submitted a revised report.	L&G	85%
FC 16205 ~ SIGNAL DESIGN, FLASHING BEACON DESIGN & TEMPORARY TRAFFIC SIGNAL DESIGNS		
Contracts have been secured with ETSI and digital files have been submitted for Traffic Engineers to start creating their sheets.	L&G	10%
FC 16250 ~ SIGNAL DESIGN, FLASHING BEACON DESIGN & TEMPORARY TRAFFIC SIGNAL DESIGNS / SUB		
This Task has not begun.	ETSI	0%
FC 16308 ~ PERMITTED UTILITIES COORDINATION TO ADJUST UTILITIES ON THE ROADWAY		
This work is ongoing and the permitted utilities are being mapped on the purposed PS&E and letters to the affected utility companies are being prepared.	L&G	15%
FC 16403 ~ PROJECT MANAGEMENT		
The project contracts and management with the client and subcontracts have been generated as well as numerous meetings with client and stakeholders.	L&G	15%
FC 16404 ~ LOCAL LET/BID DOCUMENTS		
This Task has not begun.	L&G	0%

FC 33001 ~ GEOTECHNICAL AND PAVEMENT DESIGN FOR APPROVAL BY TxDOT		
L&G has completed drilling, in-situ testing, and laboratory testing of soil samples retrieved for pavement and structural borings.	L&G	50%

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

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 : R23-015
Date: April 28, 2023
Our Order No.: R23029
L&G Job No.: _____

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 WA#2 (Work Authorization No. 59)
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 130-Phase I (ROW MAP) Lump Sum Per Parcel						
A. ROW Map, Parcel Description, Metes & Bounds Description, and Title Reports (72 Parcels @ \$3,600.00/parcel)	\$259,200.00	\$38,880.00	\$0.00	\$38,880.00	\$220,320.00	15.00%
Sub-Total FC 130:	\$259,200.00	\$38,880.00	\$0.00	\$38,880.00	\$220,320.00	15.00%
Function Code 150						
Phase 1 - FC 150 Field Surveying (Control Hz & Vt)						
A. Primary Project Control						
a. Establish Primary Control	\$1,073.00	\$214.60	\$0.00	\$214.60	\$858.40	20.00%
B. Secondary Project Control						
a. Set Additional Secondary Control Points as Needed	\$599.00	\$119.80	\$0.00	\$119.80	\$479.20	20.00%
b. Horizontal Values Established with RTK or VRS	\$599.00	\$119.80	\$0.00	\$119.80	\$479.20	20.00%
c. Vertical Values Established with Digital Level	\$599.00	\$119.80	\$0.00	\$119.80	\$479.20	20.00%
Phase 2 - DTM Topography and Cross Sections						
C. Setting Benchmarks						
1. Setting Benchmark	\$930.00	\$186.00	\$0.00	\$186.00	\$744.00	20.00%
2. Topographic & Cross Sections	\$1,094.00	\$218.80	\$0.00	\$218.80	\$875.20	20.00%
3. Locate Visible Utilities	\$1,094.00	\$218.80	\$0.00	\$218.80	\$875.20	20.00%
5. Right of Entry, ROW Research, Appraisal District Records	\$930.00	\$186.00	\$0.00	\$186.00	\$744.00	20.00%
6. Proposed Centerline on Existing Pavement Pre-Construction for Utilities	\$1,219.00	\$243.80	\$0.00	\$243.80	\$975.20	20.00%
7. Profile and Cross Section Intersecting Streets	\$1,094.00	\$218.80	\$0.00	\$218.80	\$875.20	20.00%
SUE	\$1,219.00	\$243.80	\$0.00	\$243.80	\$975.20	20.00%
11. Additional Field Surveying						
a. Irrigation Lines	\$1,219.00	\$243.80	\$0.00	\$243.80	\$975.20	20.00%
c. Driveways and Turnouts	\$1,094.00	\$218.80	\$0.00	\$218.80	\$875.20	20.00%
14. Provide temp. signs, traffic control, flags, safety equip. etc.	\$1,094.00	\$218.80	\$0.00	\$218.80	\$875.20	20.00%
15. Ties to Existing Bridges/Culverts that may be in conflict w/New Constuction	\$1,094.00	\$218.80	\$0.00	\$218.80	\$875.20	20.00%
16. Inventory Signs, Mailboxes, & Driveways	\$1,094.00	\$218.80	\$0.00	\$218.80	\$875.20	20.00%
17. Survey Control Data Sheets per 1xDO1	\$289.00	\$57.80	\$0.00	\$57.80	\$231.20	20.00%
18. Recover and Establish Existing CL and ROW						
19. Coordinate with Engineer for Existing CL Staking	\$125.00	\$25.00	\$0.00	\$25.00	\$100.00	20.00%
20. Right of Way Restaking (Pre Construction)	\$125.00	\$25.00	\$0.00	\$25.00	\$100.00	20.00%
21. SUE Level A Data Sheets (10 holes per mile) 30 Pot holes	\$2,136.00	\$427.20	\$0.00	\$427.20	\$1,708.80	20.00%
Phase 1 - Final Report & Deliverables						
A. CADD file (2D & 3D) for limits of project	\$328.00	\$65.60	\$0.00	\$65.60	\$262.40	20.00%
B. Final Report and Deliverables	\$578.00	\$115.60	\$0.00	\$115.60	\$462.40	20.00%
Project Management and Oversight						
A. Meeting and Coordination w/ Engineers	\$600.00	\$120.00	\$0.00	\$120.00	\$480.00	20.00%
B. QC/QA Survey	\$764.00	\$152.80	\$0.00	\$152.80	\$611.20	20.00%
Sub-Total FC 150 Roadways:	\$20,990.00	\$4,198.00	\$0.00	\$4,198.00	\$16,792.00	20.00%
GRAND TOTAL:	\$280,190.00	\$43,078.00	\$0.00	\$43,078.00	\$237,112.00	15.37%
			TOTAL DUE:	\$43,078.00		



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

TASK AND DESCRIPTION	2019-2020			2021			2022			2023			2024			2025			2026		
	Q1	Q2	Q3	Q1	Q2	Q3	Q1	Q2	Q3	Q1	Q2	Q3	Q1	Q2	Q3	Q1	Q2	Q3	Q1	Q2	Q3
FIRM																					
FUNDING AGREEMENT w/ TxDOT																					
Phase I: Preliminary & Environmental Schematic																					
AFPA (Environmental I)																					
Traffic Prediction																					
Design/Level of Service Analysis (QUALITY)																					
Level of Service Review by TxDOT																					
Level of Service Approval by TxDOT																					
H/I Report & Hydrologic Map																					
Drainage Schematic & TxDOT Approval																					
Public Meetings																					
ENVIRONMENTAL																					
Special Technical Reports																					
Agency Coordination																					
Afford Opportunity for Public Hearing																					
Phase II: PS&E, Surveys, and ROW Mapping																					
PS&E																					
Design Survey																					
Coordinate with NCOG at																					
Geotechnical & Perennial Drain																					
Utility PS&E Completion																					
50% PS&E Completion																					
75% PS&E Completion																					
TxDOT Final Approval																					
ROW Map																					
Prepare ROW Map																					
ROW Map Review																					
ROW Map Approval																					
Phase III: ROW Acq. & Combs. Util. Management																					
ROW Acq. & Combs. Util. Management																					
Complete ROW Utility Coordination																					
Complete ROW Utility Coordination (75 percent) & Environmental																					
Project Administration																					
Title Commitments																					
Appraisal Review Report																					
Comprehensive Utility Overlay																					
Title Curative Process																					
Permits for Parcels Subject Process																					
Eminent Domain Proceedings by County																					
Title Insurance Policies																					
Phase IV: Construction																					
Phase IV: Construction																					
Receive Bids for Construction																					
Construction																					

* Note: Schedule assumes project will be moved from FY2020 to FY2028
 Legend:
 LAG FUNCTION
 HOALD COUNTY FUNCTION
 HOALD COUNTY FUNCTION
 OTHERS