

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

INVOICE #: 11328279
INVOICE DATE: 08/31/20

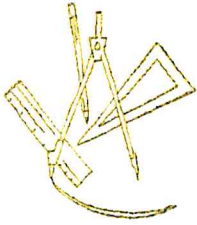
BILL TO: 34

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

JOB: 190201

FM 88 WA#1 (5th St to FM 1925)
 PO#795177

<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 preparation of the Re-evaluation of the Environmental Document, Public Involvement, Update Schematic, Update Hydrological Map, Update PS&E, Update the Permitted						
11005-Pre Comp Utili	15,000.00	15,000.00		15,000.00	100.0	
11006-Dsgn Schm Outf	26,085.00	24,780.75		24,780.75	95.0	1,304.25
11008-Schematic/DOT	22,500.00	12,375.00		12,375.00	55.0	10,125.00
11009-Pre ROW Ownrsh	22,500.00	22,500.00		22,500.00	100.0	
11011-Updt Schm Rdwy	39,690.00	37,705.50		37,705.50	95.0	1,984.50
11012-Updt Schm Intr	22,500.00	6,750.00		6,750.00	30.0	15,750.00
12002-Pub Invmt PM	49,942.00	14,982.60	1,997.68	16,980.28	34.0	32,961.72
12006-Env Doc TxDOT	54,000.00	18,360.00	2,160.00	20,520.00	38.0	33,480.00
15008-H&V Utilities	135,000.00	114,750.00		114,750.00	85.0	20,250.00
16005-PS&E Update	356,366.00	196,001.30		196,001.30	55.0	160,364.70
16006-Plans to TxDot	30,000.00				0.0	30,000.00
16108-Hydro Map Updt	45,000.00	42,750.00		42,750.00	95.0	2,250.00
16205-Signal Design	17,379.89	1,911.79		1,911.79	11.0	15,468.10
16206-Temp Sgnl Dsgn	9,000.00	990.00		990.00	11.0	8,010.00
16250-Sgnl Dsgn/SUB	2,620.11				0.0	2,620.11
16308-Permitted Utili	69,919.00	55,935.20		55,935.20	80.0	13,983.80
16403-Project Mngmnt	10,000.00	5,500.00		5,500.00	55.0	4,500.00
32002-Const. Mngmnt	119,861.00				0.0	119,861.00
TOTALS:	1,047,363.00	570,292.14	4,157.68	574,449.82	54.8	472,913.18
13002-ROW Map	15,580.14	1,558.01	1,558.02	3,116.03	20.0	12,464.11
13020-ROW Map/SUB	54,000.00		10,800.00	10,800.00	20.0	43,200.00
15005-Fld Survy Outf	13,330.71	7,998.43	4,665.74	12,664.17	95.0	666.54
15050-Fld Survy Outf	77,085.00	46,251.00	26,980.00	73,231.00	95.0	3,854.00
15006-Fld Survy Rdwy	21,141.15	17,969.98	2,114.11	20,084.09	95.0	1,057.06
15060-Fld Survy Rdwy	105,426.00	89,622.00	10,284.00	99,906.00	94.8	5,520.00
TOTALS:	1,333,926.00	733,691.56	60,559.55	794,251.11	54.8	539,674.89



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: FM 88 Project – WA#1
Limits: 5th Street to FM 1925
PO#795177- L&G Project#190201

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 during the month of August 2020.

Attached you will find the following:

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

Work Authorization#1 – Engineering Services required for the preparation of the Re-evaluation of the Environmental Document, Public Involvement, Update Schematic, Update Hydrological Map, Update PS&E, Update the Permitted Utilities Coordination and Construction Management

		% Complete
FC 11005 ~ PRELIMINARY COMPENSABLE UTILITIES IDENTIFICATION ON SCHEMATIC OUTFALLS		
This Task is complete.	L&G	100%
FC 11006 ~ CREATE A SCHEMATIC FOR THE 1.8 MILES OF OUTFALLS THAT DOESN'T EXIST		
The Outfall schematics were submitted to TxDOT for their review and concurrence. No Invoice	L&G	95%
FC 11008 ~ UPDATE SCHEMATIC BASED ON COMMENTS AS PROVIDED BY TxDOT/FHWA FOR SCHEMATIC SHOWING OUTFALLS AND EA UPDATE W/FHWA, CITY OF ELSA AND COUNTY RECOMMENDATIONS		
Meetings were held with Hidalgo County Drainage District #1 to discuss their comments on the outfall schematics. Their comments were incorporated into the schematics. The Drainage District concurred with the outfall schematics and at a meeting with TxDOT, TxDOT concurred with the outfall typical sections. No Invoice/No Update	L&G	55%

FC 11009 ~ OFFICE SURVEYS FOR THE OUTFALLS SCHEMATIC (PREL. OWNERSHIP IDENTIFICATION AND PROPERTY RIGHTS) 1.8 MILES OF OUTFALLS		
This task is complete.	L&G	100%
FC 11011 ~ UPDATE THE SCHEMATIC FOR ROADWAY		
L&G Engineering has updated the roadway schematics and has prepared them for submittal. The roadway schematic was shown to TxDOT at the TxDOT meeting on November 2019, no comments were discussed. No Invoice/No Update	L&G	95%
FC 11012 ~ UPDATE SCHEMATIC OF INTERSECTION LAYOUTS WITH NEW TOPOG (2D & 3D)		
The intersection layouts for all major roadways are being redrawn in an effort to obtain concurrence from TxDOT of the proposed changes to these intersections. TxDOT has not provided the TOPO or TIN for the project as of yet. L&G Engineering has utilized the previous TOPO and TIN files for the project's intersections in an effort to continue to complete the plans. L&G does not believe that major changes will occur due to the new TOPO and TIN files. No Invoice/No Update	L&G	30%
FC 12002 ~ PUBLIC INVOLVEMENT FOR THE RE-EVALUATION OF EA WITH STAKEHOLDERS WITH NO PUBLIC MEETING		
UPDATE: L&G has prepared all mail outs in anticipation of approval from TxDOT on the notices; however, pending approval prior to sending out.	L&G	34%
FC 12006 ~ RE-EVALUATION OF ENVIRONMENTAL DOCUMENT WITH TxDOT		
UPDATE: L&G is waiting on approval from TxDOT on Draft Re-Evaluation Form; however, have begun developing the Technical Reports in anticipation of approval.	L&G	38%
FC 15008 ~ TIE DOWN HORIZONTAL AND VERTICALLY ALL THE UTILITIES (COMPENSABLE AND PERMITTED) THAT ARE IN CONFLICT WITH THE PROPOSED STORM DRAIN AND ROADWAY AS REQUESTED BY THE COUNTY SELECTED ENGINEER		
L&G Engineering has been coordinating with the surveyor and have identified the locations of the utilities that need to be tied down. Those utilities have been picked up in the field and L&G has begun the analysis on what impacts the proposed stormdrain will have with the existing utility crossings. L&G is also making sure no utilities have been tied down.	L&G	85%
FC 16005 ~ UPDATE THE PS&E FOR THE OUTFALLS AND ROADWAY		
L&G continues to update the plan sheets. Quantities are being updated with the new sheets that were created. We require 2D & 3D topographic information/TIN from TxDOT in order to finalize the set. L&G Engineering	L&G	55%

has begun the update process for the drainage system along FM 88. Inlets, MH, pipes, etc... are being updated to the latest TxDOT standards/structures. No Invoice/No Update		
FC 16006 ~ CREATE 1 SET OF PLANS AND SUBMIT THROUGH TxDOT		
This task has not begun	L&G	0%
FC 16108 ~ UPDATE HYDROLOGICAL MAP FOR 2 OUTFALL DRAIN DITCHES OUTFALLS & CAPACITIES		
The updated Hydrologic Map with existing and proposed ditch cross sections and the calculated CFS that each ditch can hold has been submitted to TxDOT for their review and concurrence. No Invoice	L&G	95%
FC 16205 ~ UPDATE PERMANENT SIGNAL DESIGNS		
Contract has been generated with Sub ETSI and scope of services was identified. ETSI was provided with a preliminary schematic and digital file for their reference. Discussions with ETSI about the possible changes to the intersections have occurred. No Invoice/No Update	L&G	11%
FC 16206 ~ TEMPORARY SIGNAL DESIGNS DURING CONSTRUCTION		
Contract has been generated with Sub ETSI and scope of services was identified. ETSI was provided with a preliminary schematic and digital file for their reference. Discussions with ETSI about the TCP for FM 88 and any possible changes have occurred. No Invoice/No Update	L&G	11%
FC 16250 ~ UPDATE PERMANENT SIGNAL DESIGNS / SUB		
This task has not begun	ETSI	0%
FC 16308 ~ UPDATE THE PERMITTED UTILITIES COORDINATION		
L&G Engineering held a Webex meeting with the City of Elsa to discuss their sanitary sewer lines and water lines. L&G showed the City the U&D sheets that had previously been sent to them. The City of Elsa mentioned that they did not have an engineering team to prepare plans for the sewer and water lines and would require assistance. L&G said that they would provide the City with TOPO, ROW, and the proposed FM 88 roadway for their use. No Invoice/No Update	L&G	80%
FC 16403 ~ PROJECT MANAGEMENT TO INCLUDE COORDINATION WITH TxDOT, HCMPO, HIDALGO COUNTY, HCDD#1		
Discussions with Hidalgo County and Hidalgo County Drainage District #1 have been held. A copy of the Hydrologic Map has been shown to the Drainage District for their concurrence/information. L&G continues to coordinate with HCDD#1 on the outfalls. L&G continues to coordinate with the Precinct. No Invoice/No Update	L&G	55%

FC 32002 ~ ENG CONSTRUCTION MANAGEMENT DURING CONST. FOR THE DESIGN ENGINEER FOR SHOP DRAWING REVIEWS, DESIGN QUESTIONS, FIELD VISITS, etc.		
This task has not begun	L&G	0%

Supplemental #1 to Work Authorization#1 – Engineering Services required for the preparation of the ROW Mapping for 2.41 miles of Outfalls, Update the 10-year Field Surveys for Outfalls and Update the 10-year Field Surveys for Roadway Design

FC 13002 ~ FINALIZE ROW MAP FOR THE 2.41 MILES OF OUTFALLS (ESTIMATED 12 PARCELS)		
Contract has been generated with Sub ROWSS and scope of services was identified. ROWSS was provided with a preliminary schematic for their reference and all existing digital files. Coordination continues with ROWSS to gather the needed ROW information. No Update	L&G	20%
FC 13020 ~ FINALIZE ROW MAP FOR THE 2.41 MILES OF OUTFALLS (ESTIMATED 12 PARCELS)		
We have begun to reestablish the existing ROW along the outfalls to provide to L&G Engineering for their use.	ROWSS	20%
FC 15005 ~ UPDATE THE 10-YEAR FIELD SURVEYS FOR OUTFALLS		
A final TOPO and TIN files for Outfall A and Outfall B have been submitted to L&G Engineering for review and concurrence. L&G has nearly finished the review of the TIN and TOPO files.	L&G	95%
FC 15006 ~ UPDATE THE 10-YEAR FIELD SURVEYS FOR ROADWAY DESIGN		
A final TOPO and TIN files for the roadway has been submitted to L&G Engineering for review and concurrence. L&G has nearly finished the review of the TIN and TOPO files.	L&G	95%
FC 15050 ~ UPDATE THE 10-YEAR FIELD SURVEYS FOR OUTFALLS		
We have updated Outfall A and Outfall B Topographic information has been completed. A TIN (3D) file has been created for Outfall A and Outfall B. An updated Topographic dgn file and an updated TIN file have been submitted to L&G Engineering for final review.	ROWSS	95%
FC 15060 ~ UPDATE THE 10-YEAR FIELD SURVEYS FOR ROADWAY DESIGN		
We have located additional improvements along the project limits and have nearly completed the cross section survey for the entire length of the project including at the intersections. Existing underground and overhead utilities have been tied down. We continue to tie down the existing drainage structures, irrigation crossings, culverts, signs, and driveways. All cross streets have been surveyed Our field crews continue with the survey.	ROWSS	95%

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 'Damien B. Tijerina', with a stylized flourish at the end.

Damien B. Tijerina, P.E
Project Manager

Attachments

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

August 31, 2020

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

**RE: Invoice #R20-055
FM 88 Road Project
Work Authorization #50 (L&G Job No. 190201)
Limits: From FM 1925 Road to SH 107 Road**

Dear Mr. Sandoval:

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,

A handwritten signature in blue ink, appearing to read 'Julio Cerda', with a large, sweeping flourish underneath.

Julio Cerda, P.E.
President/CEO

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

Progress Report as of August, 2020:

Function Code 130: Phase 1 – (ROW Map)

A. ROW Map, Parcel Description, Metes & Bounds Description, and Title Reports

(48 Parcel @ \$3,000.00/parcel)

No Activity: 20% of parcel reviewed and processing.

Function Code C150:

PHASE 1: Field Surveying (Control Hz & Vt)

A. Primary Project Control

Re-establish existing control following the same control previously set by previous survey (95% completed).

B. Secondary Project Control

Re-establish recording control as previously established by previous survey done (95% completed).

PHASE 2 - DTM Topography & Cross Sections (Total Length including side streets 1,000' to each side FM 1925 & SH 107 = 3.1 Miles & Outfall "A" & Outfall "B" 2.41 Miles)

C. Setting Benchmarks

1. Setting Benchmarks @ 1,000' (ft) intervals

Re-established road benchmarks (95% completed).

2. Topography & Cross Section Survey

Field crews continue with survey. Have located improvements/cross sections from SH 107 North to FM 1925 (95% completed).

3. Locate Visible Utilities

Filed crews continue with survey. Have located visible utilities from SH 107 to North of FM 1925 (95% completed).

4. Cross Culverts, Driveway Culverts, Inverts

Field crews continue with survey. Have located cross culverts, driveway culverts and inverts (95% completed).

5. Right of Entry

Continue to coordinate with landowners for access (95% completed).

6. Proposed Centerline on Existing Pavement Pre-Construction for Utilities

95% completed.

7. Profile and Cross Section Intersecting Streets

Field crews continue with survey. Have surveyed all intersecting streets from 4th Street North to FM 1925 (95% completed).

8. Irrigation Crossing

Field crews continue with survey (95% completed). Have located irrigation crossings from 4th Street to FM 1925.

10. Tie Existing Underground & Overhead Utilities w/Engineer (No SUE)

Field crews continue with survey. Have tied existing underground and overhead utilities (95% completed).

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

11. Additional Field Surveying: Irrigation Lines, Outfalls, & Driveways & Turnouts
Field crews continue with survey. Have located improvements from 4th Street to FM 1925 (95% completed).
15. Profiles of Existing Drainage Facilities
Field crews continue with survey. Have located existing drain facilities along FM 88 from 4th Street to FM 1925 (95% completed).
17. Obtain Elevations of Manholes & Valves of Utilities
Field crews continue with survey. Have located elevations of manholes and valves of utilities from 4th Street to FM 1925(95% completed).
18. Provide Temporary Signs, Traffic control, flags, safety equipment, etc.
Signs and traffic controls used daily (95% completed).
19. Ties to Existing Bridges/Culverts that may be in Conflict w/New Construction
Field crews continue with survey. Have located improvements throughout project (95% completed).
21. Inventory Signs, Mailboxes, & Driveways
Field crews continue with survey. Have located improvements throughout project (95% completed).
22. Survey Controlled Data Sheets per TxDOT guidelines
Completed 95% of controlled data sheets.
24. Coordinate with the Engineer for Existing CL Staking
Continue to update existing centerline as field crews progress on project (95% completed).
25. Right-Of-Way Re-staking
Completed 95% of the Right-of-Way staking.

PHASE 2.1 – Outfalls “A” & “B”

26. Survey Outfalls “A” and “B” 2.41 Miles
Survey completed on Outfall “A” and a portion of Outfall “B” (95% completed).

Final Reports & Deliverables

- A. CADD file (2D &3D) for limits of Project
2D and 3D files continue to be updated and submitted for review (85% completed).
- B. Final Report and Deliverables
Reports continue to be updated and submitted for review (85% completed).

Project Management & Oversight

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

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 : **R20-055**
Date: **August 31, 2020**
Our Order No.: **R20022**

L&G Job No.: **190201**

BILL TO:

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

RE: **FM 88 Road Project (Work Authorization No. 50)**
Limits: **From FM 1925 Road to SH 107 Road**
Hidalgo County Project (C-18-304-02-26)

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 (12 Parcels @ \$4,500.00/parcel)	\$54,000.00	\$10,800.00	\$0.00	\$10,800.00	\$43,200.00	20.00%
Sub-Total (FC 130):	\$54,000.00	\$10,800.00	\$0.00	\$10,800.00	\$43,200.00	20.00%
Function Code 150:						
Phase 1 - FC 150 Field Surveying (Control Hz & Vt)						
A. Primary Project Control						
a. Re-Establish Primary Control						
B. Secondary Project Control						
a. Set Additional Secondary Control Points as Needed	\$1,240.00	\$1,178.00	\$930.00	\$124.00	\$62.00	95.00%
b. Horizontal Values checked & re-established with RTK or VRS	\$1,918.00	\$1,823.00	\$1,439.00	\$192.00	\$95.00	95.05%
c. Vertical Values checked & re-established with Digital Level	\$2,228.00	\$2,117.00	\$1,671.00	\$223.00	\$111.00	95.02%
Phase 2 - DTM Topography & Cross Sections (Total Length including side streets 1,000' to each side FM1925&SH107=3.1 miles & Outfall "A" & Outfall "B" 2.41 miles)						
C. Setting Benchmarks						
1. Setting Benchmark @ 1,000' (ft) intervals	\$1,818.00	\$1,728.00	\$1,364.00	\$182.00	\$90.00	95.05%
2. Topographic & Cross Sections	\$30,120.00	\$28,614.00	\$22,590.00	\$3,012.00	\$1,506.00	95.00%
3. Locate Visible Utilities	\$9,062.00	\$8,609.00	\$6,797.00	\$906.00	\$453.00	95.00%
4. Cross Culverts, Driveway Culverts, Inverts	\$8,132.00	\$7,726.00	\$6,099.00	\$813.00	\$406.00	95.01%
5. Right of Entry	\$650.00	\$618.00	\$488.00	\$65.00	\$32.00	95.08%
6. Proposed Centerline on Existing pavement for Utilities	\$3,946.00	\$3,749.00	\$2,960.00	\$394.00	\$197.00	95.01%
7. Profile and Cross Section Intersecting Streets	\$4,480.00	\$4,256.00	\$3,360.00	\$448.00	\$224.00	95.00%
8. Irrigation Crossings	\$2,480.00	\$2,356.00	\$1,860.00	\$248.00	\$124.00	95.00%
10. Tie Existing Underground & Overhead Utilities Coordinate w/Engineer (No SUE)	\$5,720.00	\$5,434.00	\$4,290.00	\$572.00	\$286.00	95.00%
11. Additional Field Surveying						
a. Irrigation Lines	\$2,480.00	\$2,356.00	\$1,860.00	\$248.00	\$124.00	95.00%
b. Outfalls see number 26 for Outfall A & B	\$2,480.00	\$2,356.00	\$1,860.00	\$248.00	\$124.00	95.00%
c. Driveways and Turnouts	\$3,386.00	\$3,217.00	\$2,540.00	\$338.00	\$169.00	95.01%
15. Profiles of Existing Drainage Facilities	\$2,224.00	\$2,113.00	\$1,668.00	\$222.00	\$111.00	95.01%
17. Obtain Elevations of Manholes & Utility Valves	\$1,896.00	\$1,802.00	\$1,422.00	\$190.00	\$94.00	95.04%
18. Provide temp. signs, traffic control, flags, safety equip., etc.	\$3,720.00	\$3,534.00	\$2,790.00	\$372.00	\$186.00	95.00%
19. Ties to Existing Bridges/Culverts that may be in conflict w/New Construction	\$1,240.00	\$1,178.00	\$930.00	\$124.00	\$62.00	95.00%
21. Inventory Signs, Mailboxes, & Driveways	\$2,480.00	\$2,356.00	\$1,860.00	\$248.00	\$124.00	95.00%
22. Survey Control Data Sheets per TxDOT	\$984.00	\$935.00	\$738.00	\$98.00	\$49.00	95.02%
24. Coordinate with Engineer for Existing CL Stationing	\$3,312.00	\$3,147.00	\$2,484.00	\$331.00	\$165.00	95.02%
25. Right of Way Restaking	\$4,376.00	\$4,158.00	\$3,282.00	\$438.00	\$218.00	95.02%
Phase 2.1 - Outfalls "A" and "B"						
26. Survey Outfalls "A" and "B" 2.41 Miles	\$77,085.00	\$73,231.00	\$38,543.00	\$26,980.00	\$3,854.00	95.00%
Phase IV - Final Report & Deliverables						
A. CADD file (2D & 3D) for limits of project	\$1,070.00	\$910.00	\$803.00	\$0.00	\$160.00	85.05%
B. Final Report and Deliverables	\$678.00	\$577.00	\$509.00	\$0.00	\$101.00	85.10%
Project Management and Oversight						
A. Meeting and Coordination w/ Engineers	\$828.00	\$704.00	\$621.00	\$0.00	\$124.00	85.02%
Sub-Total (FC 150):	\$182,511.00	\$173,137.00	\$117,617.00	\$37,264.00	\$9,374.00	94.86%
GRAND TOTAL:	\$236,511.00	\$183,937.00	\$117,617.00		\$52,574.00	77.77%
				TOTAL DUE:	\$48,064.00	

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!

DB.T.

