



May 1, 2018



Commissioner Joseph Palacios
 Hidalgo County Precinct 4
 1051 N. Doolittle Rd
 Edinburg, TX 78542

RE: SH 107/Bus 281 Intersection & Drainage Improvements (Limits: At Courthouse Square & Outfall) PO#750481 - L&G Project#161501

Dear Commissioner Palacios:

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 for the month of April 2018.

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

Work Authorization #1 – Preparation for the Traffic Impact Analysis, Environmental Assessment, Public Involvement, Schematic Design, Hydrologic Map and Disposition

FC 11002 ~ CATEGORY III TRAFFIC IMPACT ANALYSIS STUDY		% Complete
NO UPDATE: TxDOT has approved the draft TIA report; therefore, the final signed/sealed TIA report has been completed and submitted to all entities involved (City of Edinburg, Hidalgo County, & TxDOT). This task is complete.	L&G	100%
FC 11005 ~ DESIGN SCHEMATIC FOR TRAFFIC CIRCULATION AND OUTFALLS		
NO UPDATE: L&G has finalized the schematic (roadway & outfall) for the option going to the East. L&G has received conceptual approval from both the City of Edinburg and HCDD #1. We will now begin the advertisement process for the Public Meeting.	L&G	95%
FC 11006 ~ OFFICE SURVEYS FOR SCHEMATIC (PRELIM. OWNERSHIP ID & PROP. RIGHTS)		
NO UPDATE: L&G continues to perform the office surveys for the route east along SH 107 to US 281.	L&G	95%
FC 11008 ~ UPDATE SCHEMATIC BASED ON COMMENTS AS PROVIDED BY TxDOT/FHWA		
UPDATED: We have revised the schematic to the TxDOT requested option to the East. This schematic has been finalized and is ready to proceed to a public meeting.	L&G	95%
FC 11020 ~ CATEGORY III IMPACT ANALYSIS STUDY / SUB		
NO UPDATE: TxDOT has approved the draft TIA report; therefore, the final signed/sealed TIA report has been completed and submitted to all entities involved (City of Edinburg, Hidalgo County, & TxDOT). This task is complete.	ETSI	100%

FC 12001 ~ EA REPORTS		
UPDATED: L&G is preparing the draft classification letter and completing the corresponding need and purpose documentation.	L&G	20% ✓
FC 12002 ~ PUBLIC INVOLVEMENT WITH STAKEHOLDERS AND 1 PUBLIC MEETING		
UPDATED: L&G has coordinated the concurrence of the new route with the City of Edinburg, Hidalgo County & TxDOT. In addition, L&G has coordinated the project updates with the HCMPO. We are ready to begin the advertisement process for the Public Meeting.	L&G	75% ✓
FC 12003 ~ PUBLIC INVOLVEMENT WITH STAKEHOLDERS AND 1 PUBLIC HEARING		
NO UPDATE: This task has not started.	L&G	0%
FC 12007 ~ ARCHEOLOGICAL AND HISTORICAL RESEARCH		
UPDATED: L&G has begun preparing the fact sheet and corresponding data packet (shapefiles, typical sections, schematics, maps) to provide to the Sub.	L&G	20% ✓
FC 12008 ~ ENGINEERING TECHNICAL SUPPORT AT PUBLIC MEETINGS WITH LAYOUTS, ETC.		
UPDATED: L&G has developed the required exhibits in preparation for the needed public meeting to be scheduled in the near future. We have begun the process to start advertising.	L&G	75% ✓
FC 12009 ~ ENGINEERING TECHNICAL SUPPORT AT PUBLIC HEARINGS WITH LAYOUTS, ETC.		
NO UPDATE: This task has not started.	L&G	0% ✓
FC 12070 ~ ARCHEOLOGICAL AND HIST RESEARCH / SUB		
NO UPDATE: This task has not started.	AmaTerra	0% ✓
FC 13007 ~ SUB-SURFACE UTILITY ENG. FOR RDWYS SURROUNDING COURTHOUSE		
NO UPDATE: L&G has coordinated with the surveyor and identified all of the utility lines for the needed SUE work based on the existing crossings that could potentially impact the proposed storm sewer system. L&G has provided ROWSS with a layout identifying all of the SUE locations.	L&G	25% ✓
FC 13070 ~ SUB-SURFACE UTILITY ENG. FOR RDWYS SURROUNDING COURTHOUSE / SUB		
NO UPDATE: ROWSS has begun the preliminary utility research and preliminary utility mapping. They have provided a map identifying all of the existing utilities along the corridor and we will meet within the next week to discuss all of the SUE locations.	ROWSS	10% ✓
FC 15001 ~ FIELD SURVEY FOR DESIGN & EXIST ROW MAPPING		
UPDATED: L&G continues to coordinate with the surveyor and provide guidance on their ROW Mapping. L&G has reviewed their topo & basemap and provided comment to the surveyor. Their next submittal should be the final dgn submittal for all ROW Mapping.	L&G	95% ✓

FC 15010 ~ FIELD SURVEY FOR DESIGN & EXIST ROW MAPPING / SUB		
UPDATED: ROWSS has provided survey data for the outfall to the east and has researched the existing ROW.	ROWSS	91% ✓
FC 16101 ~ HYDROLOGICAL MAP		
UPDATED: L&G has developed the Hydrologic Map for the new East Route. This map will be presented at the Public Meeting and finalized after the meeting is held.	L&G	95% ✓
FC 16302 ~ DEVELOP CONCEPTUAL TRAFFIC CONTROL PLAN OF SH 107 DRAINAGE STRUCTURES		
UPDATED: L&G has developed the conceptual Traffic Control Plan for the new East route. This task will be finalized after the Public Meeting.	L&G	95% ✓
FC 16307 ~ PRELIMINARY COMPENSABLE UTILITY IDENTIFICATION OF SCHEMATIC		
UPDATED: L&G has identified all utilities on the new schematic. We will finalize once the public meeting is held.	L&G	95% ✓
FC 60001 ~ ROW ACQUISITION PROCESS OF BUSINESS 281 @ COURTHOUSE SQUARE CLOSURE		
UPDATED: TxDOT Commission has approved the Minute Order in order to deem the Business 281 as surplus property and deed it back to Hidalgo County with no charge. This task is complete.	L&G	100% ✓
FC 60101 ~ COMPENSABLE UTILITY COORDINATION FOR BUSINESS 281 @ COURTHOUSE SQUARE		
UPDATED: L&G continues to coordinate with all utilities within the courthouse square area including the new route option to the East along SH 107 and along the proposed outfall expansions.	L&G	65% ✓

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

Sincerely,



Robert Macheska, P.E., CFM
Project Manager

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

INVOICE #: 11326881
INVOICE DATE: 04/30/18

BILL TO: 84

Hidalgo County Pct #4
 c/o Commission Joseph Palacios
 1051 N. Doolittle Rd.
 Edinburg, TX 78541

JOB: 161501

SH 107/Bus 281 Intersection &
 Drainage Improv. (@ Courthouse
 Square & Outfall) PO#750481

<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 2018.						
11002-Traffic Evalu	30,000.00	30,000.00 ✓		30,000.00	100.0	
11005-Schem Developm	320,000.00	304,000.00 ✓		304,000.00	95.0	16,000.00
11006-Pre1. ROW Requ	31,500.00	29,925.00 ✓		29,925.00	95.0	1,575.00
11008-Schm Rdwy TxDO	31,500.00	28,350.00 ✓	1,575.00	29,925.00	95.0	1,575.00
11020-Traffic Eval/SU	130,613.38	130,613.38 ✓		130,613.38	100.0	
12001-EA Reports	110,822.80	11,082.28 ✓	11,082.28	22,164.56	20.0	88,658.24
12002-Pub Invmt (PM)	38,759.68	19,379.84 ✓	9,689.92	29,069.76	75.0	9,689.92
12003-Pub Invmt (PH)	38,986.08				0.0	38,986.08
12007-Arch & Hist	8,042.86		1,608.57	1,608.57	20.0	6,434.29
12008-Eng/Pub Mtgs	42,000.00	21,000.00 ✓	10,500.00	31,500.00	75.0	10,500.00
12009-Eng/Pub Hearin	26,250.00				0.0	26,250.00
12070-Arch & Hist/SU	17,537.20				0.0	17,537.20
13007-Sub-Surface Ut	25,000.00	6,250.00 ✓		6,250.00	25.0	18,750.00
13070-Sub-Surface Ut	75,000.00	7,500.00 ✓		7,500.00	10.0	67,500.00
15001-Field Survey	50,479.00	45,431.10 ✓	2,523.95	47,955.05	95.0	2,523.95
15010-Field Srvy/Sub	167,521.00	148,726.00 ✓	3,748.00 ✓	152,474.00	91.0	15,047.00
16101-Hydro Map	75,000.00	67,500.00 ✓	3,750.00	71,250.00	95.0	3,750.00
16302-Traf Cntrl Pln	72,000.00	64,800.00 ✓	3,600.00	68,400.00	95.0	3,600.00
16307- Pre1 Comp Uti	63,000.00	56,700.00 ✓	3,150.00	59,850.00	95.0	3,150.00
60001-ROW Req Admin	216,000.00	194,400.00 ✓	21,600.00	216,000.00	100.0	
60101-Compens Utilit	113,400.00	68,040.00 ✓	5,670.00	73,710.00	65.0	39,690.00
TOTALS:	1,683,412.00 ✓	1,233,697.60 ✓	78,497.72 ✓	1,312,195.32 ✓	77.9	371,216.68 ✓

ORIGINAL CONTRACT SUM \$ 1,683,412.00
 CHANGE BY CHANGE ORDER \$ 0.00
 CONTRACT SUM TO DATE \$ 1,683,412.00
 TOTAL COMPLETED TO DATE \$ 1,312,195.32
 LESS PREVIOUS INVOICES \$ 1,233,697.60

PROJECT MANAGER'S SIGNATURE

CURRENT PAYMENT DUE \$ 78,497.72 ✓



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

April 30, 2018

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

RE: Invoice #R18-042
Hidalgo County Courthouse Phase I Project
Work Authorization #26
Limits: From Courthouse To SH 107 (North Outfall)

Dear Mr. Macheska:

Attached for your approval is our invoice for services rendered for the month of April, 2018. Additional attachments have a progress report and project Schedule C.

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.

INVOICE

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

INVOICE NUMBER : **R18-042**
Date: **April 30, 2018**
Our Order No.: **R16073**

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

RE: Hidalgo County Courthouse-Phase I (Work Authorization No. 26)
Limits: From Courthouse Square To: SH 107 (North Outfall)

Task and Description	Contract Amount	Invoice to Date	Paid to Date	Current Amount Due	Contract Balance	AMOUNT
Function Code 130 - Right of Way Map						
A. Existing Right of Way 1/2 Block Perimeter around Courthouse Square	\$5,500.00	\$5,500.00	\$5,500.00	\$0.00	\$0.00	100.00%
B. Existing Right of Way along SH107	\$5,000.00	\$5,000.00	\$5,000.00	\$0.00	\$0.00	100.00%
C. Existing Right of Way along North Outfall	\$4,000.00	\$4,000.00	\$4,000.00	\$0.00	\$0.00	100.00%
Sub-Total (FC 130):	\$14,500.00	\$14,500.00	\$14,500.00	\$0.00	\$0.00	100.00%
Function Code 150						
Phase I - Field Surveying (Control Hz & Vt)						
A. Primary Project Control						
1. Establish Primary Control	\$3,675.00	\$3,675.00	\$3,675.00	\$0.00	\$0.00	100.00%
B. Secondary Project Control						
1. Set Additional Secondary Control Points as Needed	\$4,290.00	\$4,290.00	\$4,290.00	\$0.00	\$0.00	100.00%
2. Horizontal Values Established with RTK or VRS	\$3,837.00	\$3,837.00	\$3,837.00	\$0.00	\$0.00	100.00%
3. Vertical Values Established with Digital Level	\$3,673.00	\$3,673.00	\$3,673.00	\$0.00	\$0.00	100.00%
Phase II - DTM Topography and Cross Sections						
C. Setting Benchmarks						
1. Setting Benchmark	\$3,720.00	\$372.00	\$372.00	\$0.00	\$3,348.00	10.00%
2. Topographic & Cross Sections	\$8,570.00	\$8,570.00	\$8,570.00	\$0.00	\$0.00	100.00%
3. Locate Visible Utilities						
a. Utilities	\$6,600.00	\$6,600.00	\$6,600.00	\$0.00	\$0.00	100.00%
4. Cross Culverts, Driveway Culverts, Inverts	\$5,880.00	\$5,880.00	\$5,880.00	\$0.00	\$0.00	100.00%
5. Right of Entry, ROW Research, Appraisal Dist. Records	\$3,074.00	\$3,074.00	\$3,074.00	\$0.00	\$0.00	100.00%
6. Proposed Centerline on Existing Pavement Pre-Construction for Utilities	\$4,466.00	\$447.00	\$447.00	\$0.00	\$4,019.00	10.01%
7. Profile and Cross Section Intersecting Streets	\$5,032.00	\$5,032.00	\$5,032.00	\$0.00	\$0.00	100.00%
8. Irrigation Crossings	\$6,190.00	\$6,190.00	\$6,190.00	\$0.00	\$0.00	100.00%
9. Existing Storm Drain H&V	\$8,250.00	\$8,250.00	\$8,250.00	\$0.00	\$0.00	100.00%
10. Tie Existing Underground & Overhead Utilities Coordinate w/Engineer (No. SUE)	\$4,047.00	\$4,047.00	\$4,047.00	\$0.00	\$0.00	100.00%
11. Additional Field Surveying						
a. Irrigation Lines	\$7,182.00	\$7,182.00	\$7,182.00	\$0.00	\$0.00	100.00%
b. Outfalls (Location to be determined)	\$7,218.00	\$7,218.00	\$7,218.00	\$0.00	\$0.00	100.00%
c. Driveways and Turnouts	\$3,792.00	\$3,792.00	\$3,792.00	\$0.00	\$0.00	100.00%
15. Profiles of Existing Drainage Facilities	\$5,688.00	\$5,688.00	\$5,688.00	\$0.00	\$0.00	100.00%
17. Obtain Elevations of Manholes & Valves of Utilities	\$4,120.00	\$4,120.00	\$4,120.00	\$0.00	\$0.00	100.00%
18. Provide tem. signs, traffic control, flags, safety equip., etc.	\$3,720.00	\$3,720.00	\$3,720.00	\$0.00	\$0.00	100.00%
19. Ties to Existing Bridges or Culvert that may be in conflict w/new const.						
21. Inventory Signs, Mailboxes, & Driveways	\$3,792.00	\$3,792.00	\$3,792.00	\$0.00	\$0.00	100.00%
22. Survey Control Data Sheets per TxDot	\$3,932.00	\$0.00	\$0.00	\$0.00	\$3,932.00	0.00%
23. Recover & Establish Existing CL & ROW	\$4,046.00	\$4,046.00	\$4,046.00	\$0.00	\$0.00	100.00%
25. Coordinate with the Engineer for Existing CL Staking	\$747.00	\$747.00	\$747.00	\$0.00	\$0.00	100.00%
Phase III - Final Report & Deliverables						
A. CADD file (2D & 3D) for limits of project	\$7,660.00	\$6,894.00	\$6,128.00	\$766.00	\$766.00	90.00%
B. Final Report and Deliverables	\$9,160.00	\$8,244.00	\$7,328.00	\$916.00	\$916.00	90.00%
Project Management and Oversight						
A. Meeting and Coordination w/ Engineers	\$10,750.00	\$9,675.00	\$8,600.00	\$1,075.00	\$1,075.00	90.00%
B. QC/QA Survey	\$9,910.00	\$8,919.00	\$7,928.00	\$991.00	\$991.00	90.00%
Sub-Total (FC 150):	\$153,021.00	\$137,974.00	\$134,226.00	\$3,748.00	\$15,047.00	90.1667%
Sub-Total (Field Survey For Design & Exist ROW: FC 130 + FC 150):	\$167,521.00	\$152,474.00	\$148,726.00	\$3,748.00	\$15,047.00	91.0178%
Subsurface Utility Engineering (SUE)						
a. Courthouse Square (\$1000/per test hole, approximate test holes 450)	\$45,000.00	\$4,500.00	\$4,500.00	\$0.00	\$40,500.00	10.00%
b. SH107 & North Outfall (\$500/per test hole, approximate test holes 65)	\$30,000.00	\$3,000.00	\$3,000.00	\$0.00	\$27,000.00	10.00%
Sub-Total (SUE):	\$75,000.00	\$7,500.00	\$7,500.00	\$0.00	\$67,500.00	10.0000%
GRAND TOTAL:	\$242,521.00	\$159,974.00	\$156,226.00	\$3,748.00	\$82,547.00	65.9629%
			TOTAL DUE:	\$3,748.00		

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!

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

Progress Report as of April 30, 2018:

FC130 ROW Map, Parcel Description, Metes & Bounds Description, and Title Reports

No Activity

FC150 Field Surveying (Control Hz & Vt)

PHASE I

o A. Primary Project Control

No Activity.

o B. Secondary Project Control

No Activities.

PHASE II

C. Setting Benchmarks

1. Setting Benchmarks

No Activities.

2. Topography & Cross Section Survey

No Activities.

3. Locate Visible Utilities

No Activities.

4. Cross Culverts, Driveway Culverts, Inverts

No Activities.

5. Right of Entry, ROW Research, Appraisal Dist. Records

No Activities.

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

No. Activities.

7. Profile and Cross Section Intersecting Streets

No Activities.

8. Irrigation Crossing

No Activities

9. Existing Storm Drain H & V

No Activities.

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

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

11. Additional Field Surveying: Irrigation Lines, Outfalls, & Driveways & Turnouts
No Activities.

15. Profiles of Existing Drainage Facilities
No Activities.

17. Obtain Elevations of Manholes & Valves of Utilities
No Activities.

18. Provide Temporary Signs, Traffic control, flags, safety equipment, etc.
No Activities.

21. Inventory Signs, Mailboxes, & Driveways
No Activities.

22. Survey Controlled Data Sheets per TxDOT guidelines
No Activities

23. Recover & Establish Existing CL & ROW
No Activities.

25. Coordinate with the Engineer for Existing CL Staking
No Activities.

26. Subsurface Utility Engineering

a. Courthouse Square
No Activities

b. SH107 & North Outfall
No Activities

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

PHASE III

Final Reports & Deliverables

○ **A. CADD file (2D &3D) for limits of Project**

Staff continue to update files. Field crews surveyed elevations at the proposed East outfall East of US 281.

Office staff researched right of way and verified width of right of way at proposed outfall East of US 281.

○ **B. Final Report and Deliverables**

Prepared drawing showing right of way limits at proposed East outfall.

Project Management & Oversight

○ **A. Meeting & Coordination with Engineers**

Discussed with project manager the right of way at East outfall. Provided flow line elevations and existing ditch top distance to existing Drain/ Irrigation Right of Way.

○ **B. QC/QA Survey**

Reviewed survey data and files before delivery to Project Manager.

TASK AND DESCRIPTION	FIRM	2019														
		Mar/Apr	MAY	JU	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Contract																
Execute Contract	County	Selected														
Develop Prelim Layouts & Cost Estimates	L&G															
Coordinated With TxDOT/HCDD#1/Hidalgo County	L&G															
Developed Proposal for HCMPO Funding	L&G															
Data Collection	L&G															
Phase I: Traffic Impact Analysis & Road Closure of Business 281																
Traffic Impact Analysis (TIA)																
Dev Traffic Impact Analysis Report & Recommendations	ETSI															
Courthouse Square/Bus 281 ROW Investigation																
Investigate Property Rights/Deed Research	L&G															
Develop Existing ROW Map of Bus 281	ROWSS															
Appraisal of Bus 281 ROW Only @ Courthouse Square	Leonel Garza															
Ph. I Survey For Courthouse Square & Surroundings	ROWSS															
Ph. I (Contaminated Soil) Study For Bus 281 Only	L&G															
Permitted Utility Coord/Adjust within Bus 281 ROW	L&G/TxDOT															
Road Closure of Business 281																
TxDOT Accepts TIA Recommendation	TxDOT															
TxDOT Approves Road Closure (Road not closed)	TxDOT															
Coord/Follow Surplus Property Proc for Bus 281 ROW abandonment (TxDOT, AG's Off, Sec of State, Gov. Office)	County, L&G, TxDOT															
Phase IA: EA, Public Involvement, Schem																
Public Involvement																
Public Outreach (Stakeholders & Prop Owners)	L&G															
Advertise & Conduct Public Meeting	TxDOT															
Schematic																
Design Survey	ROWSS															
Permitted Util Coord for Courthouse Square and SH 107	L&G															
Outfall Coordination with HCDD #1	L&G															
Develop SH 107/Bus 281 Drainage & TIA Schematic	L&G															
Hydrologic Map (w/input from Edbg)	L&G															
TxDOT Review & Revisions	TxDOT															
TxDOT Schematic Approval	TxDOT															
Environmental Document																
Scoping Meeting & Coordination	L&G															
Draft Environmental Document, Field Visits, etc...	L&G															
Submit Final Draft Document	L&G															
Agency Review & Revisions	L&G															
Environmental Decision Based on CE (No ROW)	TxDOT															
Phase II: PS&E																
Intersection Improvements																
Coordinate Permitted Utility Adjustments	L&G															
Outfall Coordination with HCDD #1	L&G															
30% PS&E Completion	L&G															
60% PS&E Completion	L&G															
90% PS&E Completion	L&G															
95% PS&E Completion	L&G															
100% PS&E Completion	L&G															
TxDOT Plan Set Sent To Austin for Letting	TxDOT															
Drainage Improvements																
Coordinate Permitted Utility Adjustments	L&G															
30% PS&E Completion	L&G															
60% PS&E Completion	L&G															
90% PS&E Completion	L&G															
95% PS&E Completion	L&G															
100% PS&E Completion	L&G															
TxDOT Plan Set Sent To Austin for Letting	TxDOT															
Phase III: Construction & Letting																
Intersection Improvements																
Let Project (Est. Earliest Date: Nov 2019)	TxDOT															
HCMPO Prop Funding Available Within Current TIP (FY 2020)	HCMPO															
Construction Duration	TxDOT															
Bus 281 Road Closure (Est. December 2018)	TxDOT															

■ L&G FUNC
■ TxDOT FUI
■ HIDALGO (