

L&G Engineering

Transportation Consultants

February 1, 2017

Hidalgo County Executive Office
Attn: Monica Salinas Badillo, Court Administrator
2818 S. Bus. Hwy 281
Edinburg, TX 78539

RECEIVED
OFFICE OF EXECUTIVE OFFICER
ON: 2/1/17 BY: *[Signature]*

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

Dear Ms. Badillo:

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 January 2017.

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

Work Authorization #1

FC 11002 ~ CATEGORY III TRAFFIC IMPACT ANALYSIS STUDY		% Complete
NO UPDATE: L&G continues to coordinate the efforts of the Traffic Impact Analysis Study. We have provided TxDOT with a detailed plan of action and have received their approval via a letter received December 16, 2016. We are in the process of setting up a meeting with the City of Edinburg & County to discuss their master plan of the downtown area so that we may incorporate it into the TIA.	L&G	38%
FC 11005 ~ DESIGN SCHEMATIC FOR TRAFFIC CIRCULATION AND OUTFALLS		
UPDATED: L&G has prepared preliminary layouts of the drainage work and has identified and mapped the Level 3 Traffic Impact study area. We continue to develop the detailed schematic, including producing multiple options for the outfall as requested by TxDOT. We continue to analyze the options via a constraints matrix to determine the most feasible and prudent route to pursue.	L&G	40%
FC 11006 ~ OFFICE SURVEYS FOR SCHEMATIC (PRELIM. OWNERSHIP ID & PROP. RIGHTS)		
UPDATED: L&G has field verified multiple utilities along the project, uploaded the appraisal district database for property ownership and has continued to place the information on the preliminary schematic. L&G has coordinated with the City of Edinburg regarding their water, sewer and storm lines in the downtown area as well as any easement information they might have.	L&G	50%
FC 11008 ~ UPDATE SCHEMATIC BASED ON COMMENTS AS PROVIDED BY TxDOT/FHWA		
UPDATED: TxDOT has commented they would like to see a couple of different options for the outfall location. We have begun developing the options along with the preferred option and are setting up a meeting to discuss with TxDOT.	L&G	10%


FC 1200 ~ CATEGORY III IMPACT ANALYSIS STUDY / SUB		
NO UPDATE: All traffic counts and field investigations have been completed. ETSI is developing the traffic model for the existing roadway network, conducting traffic analysis for the existing conditions and preparing the exhibits with traffic volumes and analysis results. We are in the process of setting up a meeting with the City of Edinburg & County to discuss their master plan of the downtown area so that we may incorporate it into the TIA.	ETSI	38%
FC 12001 ~ EA REPORTS		
NO UPDATE: The project has been initiated with TxDOT. The scoping document/development tool and corresponding attachments have been prepared.	L&G	10%
FC 12002 ~ PUBLIC INVOLVEMENT WITH STAKEHOLDERS AND 1 PUBLIC MEETING		
NO UPDATE: This task has not started.	L&G	0%
FC 12003 ~ PUBLIC INVOLVEMENT WITH STAKEHOLDERS AND 1 PUBLIC MEETING		
NO UPDATE: This task has not started.	L&G	0%
FC 12007 ~ ARCHEOLOGICAL AND HISTORICAL RESEARCH		
NO UPDATE: This task has not started.	L&G	0%
FC 12008 ~ ENGINEERING TECHNICAL SUPPORT AT PUBLIC MEETINGS WITH LAYOUTS, ETC.		
NO UPDATE: L&G continues to develop the required exhibits in preparation for the needed public meeting to be scheduled in the near future. We have provided TxDOT with a detailed plan of action and have received their approval via a letter received December 16, 2016. We will now set up a DCC meeting in order to facilitate the public meeting.	L&G	30%
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	10%
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 has coordinated with the surveyor and identified priority areas for the existing ROW Mapping and provided them with boundaries for their design survey work. L&G has reviewed their topo & basemap.	L&G	85%
FC 15010 ~ FIELD SURVEY FOR DESIGN & EXIST ROW MAPPING / SUB		
UPDATED: ROWSS has recovered the preliminary boundary & ROW corners along SH 107 & one block outside of the courthouse square. Secondary project control points have been set along SH 107 and the courthouse square with horizontal values established by GPS RTK methods and vertical values by digital level loop holding elevation 100.09'. ROWSS has provided the basemap of the existing ROW and 2D/3D topographic files for our review.	ROWSS	84.4%
FC 16101 ~ HYDROLOGICAL MAP		
NO UPDATED: L&G continues to develop the preliminary Hydrologic Map in preparation for an upcoming public meeting. We have provided TxDOT with a detailed plan of action and have received their approval via a letter received December 16, 2016. We will now set up a DCC meeting in order to discuss the outfall options.	L&G	40%
FC 16302 ~ DEVELOP CONCEPTUAL TRAFFIC CONTROL PLAN OF SH 107 DRAINAGE STRUCTURES		
UPDATED: L&G has developed a conceptual TCP plan including Typical Sections, Layouts and Sequence of Construction for the possible construction along SH 107. Special note is being taken to make sure that a minimal impact to the travelling public is being made.	L&G	40%
FC 16307 ~ PRELIMINARY COMPENSABLE UTILITY IDENTIFICATION OF SCHEMATIC		
NO UPDATE: L&G has identified the utilities present on the preliminary schematic from our database. We are currently verifying their existence in the field and coordinating with the individual utility companies for their property interest. We have begun researching all of the utility lines within the Courthouse Square and will proceed accordingly based on the recommendations of TxDOT's correspondence.	L&G	40%
FC 60001 ~ ROW ACQUISITION PROCESS OF BUSINESS 281 @ COURTHOUSE SQUARE CLOSURE		
<ul style="list-style-type: none"> • Project presence has been established at 900 S. Stewart Road in Mission, Texas 78572 @ L&G Engineering-Transportation Consulting Engineers Right of Way Office. The office is open during normal County and State work hours with available personnel to answer questions about the project. • Project files have been created and are maintained in the office. Personnel are available on a daily basis for project meetings as determined by the County. • We have received TxDOT's verification that there is no reversionary clause in the current ROW easement dedication and thus the current Bus 281 ROW would be treated as surplus property. We will begin to facilitate the surplus property process accordingly. 	L&G	20%

FC 60101 ~ COMPENSABLE UTILITY COORDINATION FOR BUSINESS 281 @ COURTHOUSE SQUARE		
<p>NO UPDATE: L&G continues to research the existing deeds and ROW easement documents along Business 281 within the courthouse square and has coordinated correspondence to TxDOT for their concurrence with our plan of action for the adjustment of the utilities along the proposed abandoned ROW. We have received their determination via a letter received December 16, 2016 wherein TxDOT stated that all utilities within the existing Bus 281 ROW would need to relocate their lines at their expense or reach an agreement with the new owner of record to remain in place. We will now proceed accordingly.</p>	L&G	30%

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 #: 11326128
INVOICE DATE: 01/31/17

BILL TO: 100
Hidalgo County Executive Office
2818 S. Bus. Hwy 281
Edinburg, TX 78539

JOB: 161501
SH 107/Bus 281 Intersection &
Drainage Improv. (@ Courthouse
Square & Outfall) PO#750481

DESCRIPTION	CONTRACT	PREVIOUS APPLICATIONS	CURRENT COMPLETED	TOTAL COMPLETED	% COMPL	BALANCE TO FINISH
Engineering services for the month of January 2017.						
11002-Traffic Evalu	30,000.00	11,400.00		11,400.00	38.0	18,600.00
11005-Schem Developm	320,000.00	96,000.00	32,000.00	128,000.00	40.0	192,000.00
11006-Prel. ROW Requ	31,500.00	12,600.00	3,150.00	15,750.00	50.0	15,750.00
11008-Schm Rdwy Tx00	31,500.00		3,150.00	3,150.00	10.0	28,350.00
11020-Trafic Eval/SU	130,613.38	49,665.44		49,665.44	38.0	80,947.94
12001-EA Reports	110,822.80	11,082.28		11,082.28	10.0	99,740.52
12002-Pub Invm (PM)	38,759.68				0.0	38,759.68
12003-Pub Invm (PH)	38,986.08				0.0	38,986.08
12007-Arch & Hist	8,042.86				0.0	8,042.86
12008-Eng/Pub Mtgs	42,000.00	12,600.00		12,600.00	30.0	29,400.00
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	2,500.00		2,500.00	10.0	22,500.00
13070-Sub-Surface Ut	75,000.00	7,500.00		7,500.00	10.0	67,500.00
15001-Field Survey	50,479.00	15,143.70	27,763.45	42,907.15	85.0	7,571.85
15010-Field Srvy/Sub	167,521.00	112,465.00	28,888.00	141,353.00	84.4	26,168.00
16101-Hydro Map	75,000.00	22,500.00	7,500.00	30,000.00	40.0	45,000.00
16302-Traf Cntrl Pln	72,000.00	28,800.00		28,800.00	40.0	43,200.00
16307- Prel Comp Uti	63,000.00	25,200.00		25,200.00	40.0	37,800.00
60001-ROW Req Admin	216,000.00	43,200.00		43,200.00	20.0	172,800.00
60101-Compens Utilit	113,400.00	34,020.00		34,020.00	30.0	79,380.00
TOTALS:	1,683,412.00	484,676.42	102,451.45	587,127.87	34.9	1,096,284.13

INVOICE RECEIVED BY: Debra S. on 2/1/17
GOODS / SVCS RECEIVED BY: [Signature] on Jan. 2017

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 \$ 587,127.87
LESS PREVIOUS INVOICES \$ 484,676.42

PROJECT MANAGER'S SIGNATURE

CURRENT PAYMENT DUE

\$ 102,451.45

PO 750481

7-1350-419-40-125-0350-710

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

January 31, 2017

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

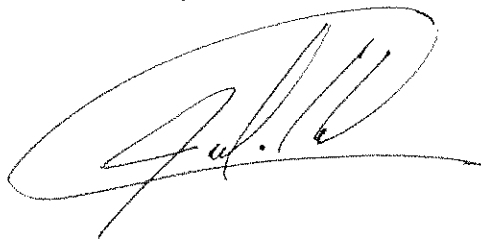
RE: Invoice #R17-014
Hidalgo County Courthouse Phase I Project
Work Authorization #26
Limits: From Courthouse to SH 107 (North Outfall)

Dear Mr. Macheska:

Attached for your approval is our invoice for services rendered for the month of January, 2017. 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) 451-2670.

Sincerely,



Julio Cerda, P.E.
President/CEO

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

Progress Report as of January 31, 2017:

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

Complete. Primary project control has been discussed with project manager. NGS monuments have been recovered and verified.

o B. Secondary Project Control

No Activities.

PHASE II

C. Setting Benchmarks

1. Setting Benchmarks

No Activities.

2. Topography & Cross Section Survey

Topography complete. All visible utilities and improvements have been surveyed within project limits.

3. Locate Visible Utilities

Field work complete.

4. Cross Culverts, Driveway Culverts, Inverts

Field work complete.

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

Field work complete.

8. Irrigation Crossing

Field work complete.

9. Existing Storm Drain H & V

Field work complete.

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

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

Complete-All visible utilities have been located.

11. Additional Field Surveying: Irrigation Lines, Outfalls, & Driveways & Turnouts

Field survey complete.

15. Profiles of Existing Drainage Facilities

Field work complete.

17. Obtain Elevations of Manholes & Valves of Utilities

Field work complete.

18. Provide Temporary Signs, Traffic control, flags, safety equipment, etc.

Survey signs set when field crews onsite.

21. Inventory Signs, Mailboxes, & Driveways

Field work complete.

22. Survey Controlled Data Sheets per TxDOT guidelines

No Activities

23. Recover & Establish Existing CL & ROW

Field work complete. Preliminary base map submitted.

25. Coordinate with the Engineer for existing centerline staking.

Complete-base map and topo files have been submitted to LG.

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**

Project files being updated daily.

○ **B. Final Report and Deliverables**

Final deliverables 70% complete pending LG manager's review of submitted 3D and 2D files.

Project Management & Oversight

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

Ongoing communication between ROW and LG managers regarding utilities and project progress.

○ **B. QC/QA Survey**

ROW managers continue to review filed data and files submitted to LG managers.

R. O. W. Surveying Services, L.L.C.

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

INVOICE

INVOICE NUMBER : RI7-014
Date: January 31, 2017
Our Order No.: RI6073

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: SH107 (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	\$4,125.00	\$1,375.00	\$2,750.00	\$1,375.00	75.00%
B. Existing Right of Way along SH107	\$5,000.00	\$3,750.00	\$1,250.00	\$2,500.00	\$1,250.00	75.00%
C. Existing Right of Way along North Outfall	\$4,000.00	\$3,000.00	\$1,000.00	\$2,000.00	\$1,000.00	75.00%
Sub-Total (FC 130):	\$14,500.00	\$10,875.00	\$3,625.00	\$7,250.00	\$3,625.00	75.00%
Function Code 150						
Phase I - Field Surveying (Control Hz & Vt)						
A. Primary Project Control						
1. Establish Primary Control	\$3,675.00	\$3,675.00	\$1,838.00	\$1,837.00	\$0.00	100.00%
B. Secondary Project Control						
1. Set Additional Secondary Control Points as Needed	\$4,290.00	\$4,290.00	\$2,145.00	\$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	\$2,143.00	\$857.00	\$0.00	100.00%
3. Locate Visible Utilities						
a. Utilities	\$6,600.00	\$6,600.00	\$1,650.00	\$660.00	\$0.00	100.00%
4. Cross Culverts, Driveway Culverts, Inverts	\$5,880.00	\$5,880.00	\$1,470.00	\$4,410.00	\$0.00	100.00%
5. Right of Entry, ROW Research, Appraisal Dist. Records	\$3,074.00	\$3,074.00	\$769.00	\$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	\$1,258.00	\$503.00	\$0.00	100.00%
8. Irrigation Crossings	\$6,190.00	\$6,190.00	\$1,548.00	\$619.00	\$0.00	100.00%
9. Existing Storm Drain H&V	\$8,250.00	\$8,250.00	\$2,063.00	\$825.00	\$0.00	100.00%
10. Tie Existing Underground & Overhead Utilities Coordinate w/Engineer (No. SUE)	\$4,047.00	\$4,047.00	\$405.00	\$404.00	\$0.00	100.00%
11. Additional Field Surveying						
a. Irrigation Lines	\$7,182.00	\$7,182.00	\$1,796.00	\$718.00	\$0.00	100.00%
b. Outfalls (Location to be determined)	\$7,218.00	\$7,218.00	\$1,805.00	\$721.00	\$0.00	100.00%
c. Driveways and Turnouts	\$3,792.00	\$3,792.00	\$948.00	\$379.00	\$0.00	100.00%
15. Profiles of Existing Drainage Facilities	\$5,688.00	\$5,688.00	\$1,422.00	\$568.00	\$0.00	100.00%
17. Obtain Elevations of Manholes & Valves of Utilities	\$4,120.00	\$4,120.00	\$1,030.00	\$412.00	\$0.00	100.00%
18. Provide tem. signs, traffic control, flags, safety equip., etc.	\$3,720.00	\$3,720.00	\$930.00	\$372.00	\$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	\$948.00	\$379.00	\$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	\$1,012.00	\$404.00	\$0.00	100.00%
25. Coordinate with the Engineer for Existing CL Staking	\$747.00	\$747.00	\$75.00	\$74.00	\$0.00	100.00%
Phase III - Final Report & Deliverables						
A. CADD file (2D & 3D) for limits of project	\$7,660.00	\$5,362.00	\$1,915.00	\$1,532.00	\$2,298.00	70.00%
B. Final Report and Deliverables	\$9,160.00	\$6,412.00	\$2,290.00	\$1,832.00	\$2,748.00	70.00%
Project Management and Oversight						
A. Meeting and Coordination w/Engineers	\$10,750.00	\$7,525.00	\$2,688.00	\$2,150.00	\$3,225.00	70.00%
B. QC/QA Survey	\$9,910.00	\$6,937.00	\$2,478.00	\$1,982.00	\$2,973.00	70.00%
Sub-Total (FC 150):	\$153,021.00	\$130,478.00	\$42,955.00	\$21,638.00	\$22,543.00	85.2680%
Sub-Total (Field Survey For Design & Exist ROW: FC 130 + FC 150):	\$167,521.00	\$141,353.00	\$46,580.00	\$28,888.00	\$26,168.00	84.3793%
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	\$148,853.00	\$54,080.00	\$28,888.00	\$93,668.00	61.3774%
			TOTAL DUE:	\$28,888.00		

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!

