

April 3, 2017

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

**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 March 2017.

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

### Work Authorization #1

<b>FC 11002 ~ CATEGORY III TRAFFIC IMPACT ANALYSIS STUDY</b>		<b>% Complete</b>
<b>UPDATED:</b> L&G continues to coordinate the efforts of the Traffic Impact Analysis Study. We have provided Hidalgo County, City of Edinburg as well as HCMPO with the preliminary trip generation model. We held a meeting with HCMPO staff to discuss the circulation analysis in addition to a meeting with TxDOT Pharr District traffic staff.	<b>L&amp;G</b>	<b>80%</b>
<b>FC 11005 ~ DESIGN SCHEMATIC FOR TRAFFIC CIRCULATION AND OUTFALLS</b>		
<b>UPDATED:</b> L&G has prepared the schematic for the outfall preferred alternative. However after meeting with TxDOT they requested we provide schematics for 2 other alternatives. We are in the process of preparing the additional schematics. We will analyze each option via a constraints matrix to determine the most feasible and prudent route to pursue.	<b>L&amp;G</b>	<b>55%</b>
<b>FC 11006 ~ OFFICE SURVEYS FOR SCHEMATIC (PRELIM. OWNERSHIP ID &amp; PROP. RIGHTS)</b>		
<b>UPDATED:</b> 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.	<b>L&amp;G</b>	<b>65%</b>
<b>FC 11008 ~ UPDATE SCHEMATIC BASED ON COMMENTS AS PROVIDED BY TxDOT/FHWA</b>		
<b>NO UPDATE:</b> 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.	<b>L&amp;G</b>	<b>20%</b>

**RECEIVED**

OFFICE OF EXECUTIVE OFFICER

ON 4/3/17 BY: *[Signature]*

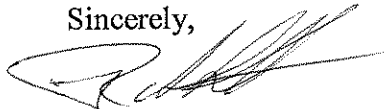
<b>FC 11020 ~ CATEGORY III IMPACT ANALYSIS STUDY / SUB</b>		
<b>UPDATED:</b> All traffic counts and field investigations have been completed. ETSI has developed the baseline & future land use databases as well as the trip generation rates. ETSI has completed the Total Traffic Conditions Scenarios for Years 2026, 2036 & 2046 and is almost complete with the Traffic Impact and Internal Circulation recommendations.	<b>ETSI</b>	<b>81.5%</b>
<b>FC 12001 ~ EA REPORTS</b>		
<b>NO UPDATE:</b> The project has been initiated with TxDOT. The scoping document/development tool and corresponding attachments have been prepared.	<b>L&amp;G</b>	<b>10%</b>
<b>FC 12002 – PUBLIC INVOLVEMENT WITH STAKEHOLDERS AND 1 PUBLIC MEETING</b>		
<b>NO UPDATE:</b> This task has not started.	<b>L&amp;G</b>	<b>0%</b>
<b>FC 12003 ~ PUBLIC INVOLVEMENT WITH STAKEHOLDERS AND 1 PUBLIC MEETING</b>		
<b>NO UPDATE:</b> This task has not started.	<b>L&amp;G</b>	<b>0%</b>
<b>FC 12007 ~ ARCHEOLOGICAL AND HISTORICAL RESEARCH</b>		
<b>NO UPDATE:</b> This task has not started.	<b>L&amp;G</b>	<b>0%</b>
<b>FC 12008 ~ ENGINEERING TECHNICAL SUPPORT AT PUBLIC MEETINGS WITH LAYOUTS, ETC.</b>		
<b>NO UPDATE:</b> 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.	<b>L&amp;G</b>	<b>30%</b>
<b>FC 12009 ~ ENGINEERING TECHNICAL SUPPORT AT PUBLIC HEARINGS WITH LAYOUTS, ETC.</b>		
<b>NO UPDATE:</b> This task has not started.	<b>L&amp;G</b>	<b>0%</b>
<b>FC 12070 ~ ARCHEOLOGICAL AND HIST RESEARCH / SUB</b>		
<b>NO UPDATE:</b> This task has not started.	<b>AmaTerra</b>	<b>0%</b>
<b>FC 13007 ~ SUB-SURFACE UTILITY ENG. FOR RDWYS SURROUNDING COURTHOUSE</b>		
<b>NO UPDATE:</b> 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.	<b>L&amp;G</b>	<b>10%</b>
<b>FC 13070 ~ SUB-SURFACE UTILITY ENG. FOR RDWYS SURROUNDING COURTHOUSE / SUB</b>		
<b>NO UPDATE:</b> 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.	<b>ROWSS</b>	<b>10%</b>

<b>FC 15001 ~ FIELD SURVEY FOR DESIGN &amp; EXIST ROW MAPPING</b>		
<b>UPDATED:</b> 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 and provided comment. The next submittal should be the final dgn submittal.	<b>L&amp;G</b>	<b>85.7%</b>
<b>FC 15010 ~ FIELD SURVEY FOR DESIGN &amp; EXIST ROW MAPPING / SUB</b>		
<b>UPDATED:</b> ROWSS has finalized recovering the existing right of ways for SH 107 and the Courthouse square. The basemap dgn has been provided to us and has been reviewed by L&G.	<b>ROWSS</b>	<b>85.7%</b>
<b>FC 16101 ~ HYDROLOGICAL MAP</b>		
<b>UPDATED:</b> 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 have held a DCC meeting in order to discuss the outfall options. We are developing a preliminary hydrologic map for the three options requested by TxDOT.	<b>L&amp;G</b>	<b>55%</b>
<b>FC 16302 ~ DEVELOP CONCEPTUAL TRAFFIC CONTROL PLAN OF SH 107 DRAINAGE STRUCTURES</b>		
<b>UPDATED:</b> L&G is developing 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.	<b>L&amp;G</b>	<b>60%</b>
<b>FC 16307 ~ PRELIMINARY COMPENSABLE UTILITY IDENTIFICATION OF SCHEMATIC</b>		
<b>NO UPDATE:</b> 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 continue to research all of the utility lines within the Courthouse Square and will proceed accordingly based on the recommendations of TxDOT's correspondence.	<b>L&amp;G</b>	<b>50%</b>
<b>FC 60001 ~ ROW ACQUISITION PROCESS OF BUSINESS 281 @ COURTHOUSE SQUARE CLOSURE</b>		
<ul style="list-style-type: none"> <li>○ <b>ROW ACQUISITION</b> <ul style="list-style-type: none"> <li>● Project presence has been established at 900 S. Stewart Road in Mission, Texas 78572 @ L&amp;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.</li> <li>● 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.</li> <li>● 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</li> </ul> </li> </ul>	<b>L&amp;G</b>	<b>20%</b>

<p>property process accordingly.</p> <ul style="list-style-type: none"> <li>○ <b>Title Service</b> <ul style="list-style-type: none"> <li>● This task has not started yet.</li> </ul> </li> <li>○ <b>Appraisal Service</b> <ul style="list-style-type: none"> <li>● This task has not started yet. We have set up a kickoff meeting with the appraiser to get him started.</li> </ul> </li> <li>○ <b>Appraisal Review</b> <ul style="list-style-type: none"> <li>● This task has not started yet.</li> </ul> </li> <li>○ <b>Parcel Negotiations</b> <ul style="list-style-type: none"> <li>● This task has not started yet.</li> </ul> </li> <li>○ <b>Closing Services</b> <ul style="list-style-type: none"> <li>● This task has not started yet.</li> </ul> </li> </ul>		
<b>FC 60101 ~ COMPENSABLE UTILITY COORDINATION FOR BUSINESS 281 @ COURTHOUSE SQUARE</b>		
<p><b>NO UPDATE:</b> L&amp;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>	<b>L&amp;G</b>	<b>30%</b>

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 #: 11326223**  
**INVOICE DATE: 03/31/17**

**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 March 2017.						
11002-Traffic Evalu	30,000.00	16,200.00	7,800.00	24,000.00	80.0	6,000.00
11005-Schem Developm	320,000.00	160,000.00	16,000.00	176,000.00	55.0	144,000.00
11006-Prel. ROW Requ	31,500.00	18,900.00	1,575.00	20,475.00	65.0	11,025.00
11008-Schm Rdwy TxD0	31,500.00	6,300.00		6,300.00	20.0	25,200.00
11020-Traffic Eval/SU	130,613.38	70,905.32	35,486.08	106,391.40	81.5	24,221.98
12001-EA Reports	110,822.80	11,082.28		11,082.28	10.0	99,740.52
12002-Pub Invmnt (PM)	38,759.68				0.0	38,759.68
12003-Pub Invmnt (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	42,907.15	353.35	43,260.50	85.7	7,218.50
15010-Field Srvy/Sub	167,521.00	141,353.00	2,175.00	143,528.00	85.7	23,993.00
16101-Hydro Map	75,000.00	37,500.00	3,750.00	41,250.00	55.0	33,750.00
16302-Traf Cntrl Pln	72,000.00	36,000.00	7,200.00	43,200.00	60.0	28,800.00
16307- Prel Comp Uti	63,000.00	25,200.00	6,300.00	31,500.00	50.0	31,500.00
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
<b>TOTALS:</b>	<b>1,683,412.00</b>	<b>666,167.75</b>	<b>80,639.43</b>	<b>746,807.18</b>	<b>44.4</b>	<b>936,604.82</b>

INVOICE RECEIVED BY: Debra on 4/5/17  
 GOODS / SVCS RECEIVED BY: Debra on March 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 \$ 746,807.18  
 LESS PREVIOUS INVOICES \$ 666,167.75

PROJECT MANAGER'S SIGNATURE

CURRENT PAYMENT DUE

\$ 80,639.43

7-1350-419-40-125-035-0-710

*[Handwritten Signature]*

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

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March 31, 2017

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

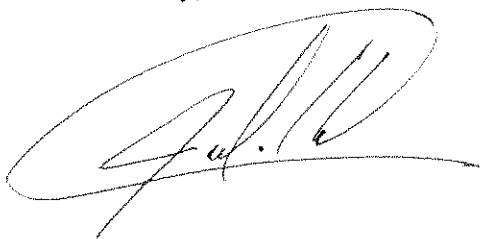
**RE: Invoice #R17-033**  
**Hidalgo County Courthouse Phase I Project**  
**Work Authorization #26**  
**Limits: From Courthouse To SH 107 (North Outfall)**

Dear Mr. Macheska:

Attached for your approval is our invoice for services rendered for the month of March, 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,

A handwritten signature in black ink, appearing to read 'Julio Cerda', written over a horizontal line.

Julio Cerda, P.E.  
President/CEO

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

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## Progress Report as of March 31, 2017:

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

Finalizing existing right of ways for SH 107 (University) and Courthouse Square. Right of way DGN has been provided to L&G. Office staff preparing final DGN. Will be complete by next invoice.

### **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.

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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.

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## **PHASE III**

### **Final Reports & Deliverables**

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

Field work complete. Office staff continue to update and detail CADD files for final deliverable.

○ **B. Final Report and Deliverables**

Final deliverables being prepared and should be complete by next invoice.

### **Project Management & Oversight**

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

No Activities.

○ **B. QC/QA Survey**

RPLS continues to verify and check collected data and CADD files for final deliverable.

# 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 : **RI7-033**  
Date: **March 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: SH 107 (North Outfall)**

Task and Description	Contract Amount	Invoice to Date	Paid to Date	Current Amount Due	Contract Balance	AMOUNT
<b>Function Code 130 - Right of Way Map</b>						
A. Existing Right of Way 1/2 Block Perimeter around Courthouse Square	\$5,500.00	\$4,950.00	\$4,125.00	\$825.00	\$550.00	90.00%
B. Existing Right of Way along SH107	\$5,000.00	\$4,500.00	\$3,750.00	\$750.00	\$500.00	90.00%
C. Existing Right of Way along North Outfall	\$4,000.00	\$3,600.00	\$3,000.00	\$600.00	\$400.00	90.00%
Sub-Total (FC 130):	\$14,500.00	\$13,050.00	\$10,875.00	\$2,175.00	\$1,450.00	90.00%
<b>Function Code 150</b>						
<b>Phase I - Field Surveying (Control Hz &amp; Vt)</b>						
<b>A. Primary Project Control</b>						
1. Establish Primary Control	\$3,675.00	\$3,675.00	\$3,675.00	\$0.00	\$0.00	100.00%
<b>B. Secondary Project Control</b>						
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%
<b>Phase II - DTM Topography and Cross Sections</b>						
<b>C. Setting Benchmarks</b>						
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%
<b>11. Additional Field Surveying</b>						
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%
<b>Phase III - Final Report &amp; Deliverables</b>						
A. CADD file (2D & 3D) for limits of project	\$7,660.00	\$5,362.00	\$5,362.00	\$0.00	\$2,298.00	70.00%
B. Final Report and Deliverables	\$9,160.00	\$6,412.00	\$6,412.00	\$0.00	\$2,748.00	70.00%
<b>Project Management and Oversight</b>						
A. Meeting and Coordination w/ Engineers	\$10,750.00	\$7,525.00	\$7,525.00	\$0.00	\$3,225.00	70.00%
B. QC/QA Survey	\$9,910.00	\$6,937.00	\$6,937.00	\$0.00	\$2,973.00	70.00%
Sub-Total (FC 150):	\$153,021.00	\$130,478.00	\$130,478.00	\$0.00	\$22,543.00	85.2680%
Sub-Total (Field Survey For Design & Exist ROW; FC 130 + FC 150):	\$167,521.00	\$143,528.00	\$141,353.00	\$2,175.00	\$23,993.00	85.6776%
<b>Subsurface Utility Engineering (SUE)</b>						
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%
<b>GRAND TOTAL:</b>	<b>\$242,521.00</b>	<b>\$151,028.00</b>	<b>\$148,853.00</b>		<b>\$91,493.00</b>	<b>62.2742%</b>
				<b>TOTAL DUE:</b>	<b>\$2,175.00</b>	

**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!**

---

***ERGONOMIC TRANSPORTATION SOLUTIONS, INC.***

*5300 Hollister Rd., Suite 220*

*Houston, Texas 77040*

*Tel. (713) 956-9601*

*Fax: (713) 956-9667*

March 31, 2017

Mr. Jacinto Garza, P.E.,  
President  
L & G Engineering  
2100 W. Expressway 83  
Mercedes, Texas 78570

Reference: Invoice no. 2016-15-4 - Category III Traffic Impact Analysis  
For the Hidalgo County Courthouse; in Edinburg, Texas

Dear Jacinto:

Attached for your handling is invoice no. 2016-15-4, for services provided in conjunction with the above referenced project. It reflects our effort for the month of March 2017.

Also, attached is a progress report for the project.

Please let me know if you need additional information. Thank you for giving us the opportunity to assist you with this project.

Sincerely,



Harry C. Simeonidis, P.E.

Attachments

**ERGONOMIC TRANSPORTATION SOLUTIONS, INC.**

5300 Hollister, Suite 220  
 Houston, Texas 77040  
 Tel. (713) 956-9601  
 Fax (713) 956-9667  
 TAX ID: 76-0583436

**INVOICE**

INVOICE NUMBER: 2016-15-4  
 INVOICE DATE: 03/31/2017  
 FOR SERVICES PROVIDED THROUGH: 3/31/2017

**TO:**  
 Mr. Jacinto Garza, P.E.  
 President  
 L & G Engineering  
 2100 W. Expressway 83  
 Mercedes, Texas 78570

**PROJECT NAME:**  
 CATEGORY III TRAFFIC IMPACT ANALYSIS  
 HIDALGO COUNTY COURT HOUSE  
 EDINBURG, TEXAS

TASK NO.	DESCRIPTION OF SERVICES PROVIDED	% COMPLETE	TOTAL FEE	AMOUNT DUE
I	Data collection & Field Investigation	100.00	\$12,182.88	\$12,182.88
II	Existing and Background Traffic Patterns	100.00	16,443.96	\$16,443.96
III	Site Specific Generated traffic	100.00	\$8,799.64	\$8,799.64
IV	Total Traffic Conditions Scenario for Year 2026	100.00	9,026.52	\$9,026.52
V	Total Traffic Conditions Scenario for Years 2036 and 2046	100.00	\$8,799.74	\$8,799.74
VI	Traffic Impact during Courthouse Construction	80.00	\$5,995.88	\$4,796.70
VII	Internal Circulation	80.00	\$9,575.56	\$7,660.45
VIII	Implementation Plan	25.00	\$6,064.88	\$1,516.22
IX	Project Coordination	75.00	\$12,318.92	\$9,239.19
X	Traffic Impact Analysis Report	25.00	\$16,472.40	\$4,118.10
	<b>EXPENSES</b>			
	Travel	50.00	\$2,250.00	\$1,125.00
	Traffic Counts	100.00	\$22,683.00	\$22,683.00
	<b>Total</b>	<b>81.46%</b>	<b>\$130,613.38</b>	<b>\$106,391.40</b>
Amount Invoiced Previously				\$70,905.32
<b>Total Due this Invoice</b>				<b>\$35,486.08</b>

**PLEASE MAKE CHECKS PAYABLE TO:**  
 Ergonomic Transportation Solutions, Inc.  
 Attn: Harry Simeonidis  
 P.O. Box 926333  
 Houston, TX 77292-6333

**THANK YOU FOR GIVING US THE OPPORTUNITY TO SERVE YOU**

CATEGORY III TRAFFIC IMPACT ANALYSIS  
CAUSED BY THE PROPOSED HIDALGO COUNTY COURT HOUSE AND  
THE CITY OF EDINBURG'S DOWNTOWN MASTER PLAN  
IN EDINBURG, TEXAS  
PROGRESS REPORT AS OF MARCH 31, 2016

ETSI's work progress this period can be summarized as follows:

**TASK I – Data collection & Field Investigation (100% Complete)**

- Completed all required traffic counts
- Completed Field Investigations
- Compiled and Assessed Field and Traffic Data

**TASK II – Existing and Background Traffic Patterns (100% Complete)**

- Balanced existing traffic counts
- Developed traffic model for existing roadway network
- Conducted traffic analysis for existing traffic conditions
- Prepared exhibits with traffic volumes and analysis results

**TASK III – Site Specific Generated traffic (New Courthouse Generated Traffic Conditions Scenario) (100% Complete)**

- Developed baseline land use database
- Developed future land use database
- Developed trip generation rates for court house
- Developed future land use trip generations rates

**TASK IV – Total Traffic Conditions Scenario for Year 2026 (100% Complete)**

- Developed baseline total traffic conditions
- Developed year 2026 total traffic conditions

**TASK V – Total Traffic Conditions Scenario for Years 2036 and 2046 (100% Complete)**

- Developed year 2036 and 2046 total traffic conditions

**TASK VI – Traffic Impact during Courthouse Construction (80% Complete)**

- Developed Traffic Impacts during construction

**TASK VII – Internal Circulation (80% Complete)**

- Developed Schematic for the Courthouse square, addressing Internal circulation of vehicles, bicycles pedestrians and parking facilities.

**TASK VIII – Implementation Plan (25% Complete)**

- Work in progress

**TASK IX – Project Coordination (75% Complete)**

- Continue coordination with L&G

**TASK X – Traffic Impact Analysis Report (25% Complete)**

- Work in progress

**PENDING ISSUES:** No Pending issues.

TASK AND DESCRIPTION	FIRM	Mar/Apr	2019																					
			MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR										
<b>Contract</b>																								
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																							
<b>Phase I: Traffic Impact Analysis &amp; Road Closure of Business 281</b>																								
<b>Traffic Impact Analysis (TIA)</b>																								
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																							
<b>Road Closure of Business 281</b>																								
TxDOT Accepts TIA Recommendation	TxDOT																							
TxDOT Approves Road Closure (Road not closed)																								
Note: Bus 281 remains open until 6 mo. into Construction	TxDOT																							
Coord/Follow Surplus Property Proc for Bus 281 ROW	County,																							
abandonment (TxDOT, AG's Off, Sec of State, Gov. Office)	L&G, TxDOT																							
<b>Phase IA: EA, Public Involvement, Schem</b>																								
<b>Public Involvement</b>																								
Public Outreach (Stakeholders & Prop Owners)	L&G																							
Advertise & Conduct Public Meeting	TxDOT																							
<b>Schematic</b>																								
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 UTRGV & Edbg)	L&G																							
TxDOT Review & Revisions	TxDOT																							
TxDOT Schematic Approval	TxDOT																							
<b>Environmental Document</b>																								
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																							
<b>Phase II: PS&amp;E</b>																								
<b>Intersection Improvements</b>																								
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																							
<b>Drainage Improvements</b>																								
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																							
<b>Phase III: Construction &amp; Letting</b>																								
<b>Intersection Improvements</b>																								
Let Project (Est. Earliest Date: March 2018)	TxDOT																							
HCMPO Prop Funding Available Within Current TIP (FY 2017-2020)	HCMPO																							
Construction Duration	TxDOT																							
Bus 281 Road Closure (Est. December 2018)	TxDOT																							

L&G  
 TXD  
 HID/