



# L&G Engineering

Transportation Consultants

December 1, 2016

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

**RECEIVED**  
 OFFICE OF EXECUTIVE OFFICER  
 ON: 12/1/16 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 November 2016.

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

**Work Authorization #1**

		% Complete
<b>FC 11002 ~ CATEGORY III TRAFFIC IMPACT ANALYSIS STUDY</b>		
<b>UPDATED:</b> L&G continues to coordinate the efforts of the Traffic Impact Analysis Study. We have provided TxDOT with a detailed plan of action for their approval and are awaiting their response.	L&G	38%
<b>FC 11005 ~ DESIGN SCHEMATIC FOR TRAFFIC CIRCULATION AND OUTFALLS</b>		
<b>UPDATED:</b> 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.	L&G	30%
<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 continues to place the information on the preliminary schematic.	L&G	30%
<b>FC 11008 ~ UPDATE SCHEMATIC BASED ON COMMENTS AS PROVIDED BY TxDOT/FHWA</b>		
<b>NO UPDATE:</b> This task has not started.	L&G	0%
<b>FC 11020 ~ CATEGORY III IMPACT ANALYSIS STUDY / SUB</b>		
<b>UPDATED:</b> 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.	ETSI	38%
<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.	L&G	10%

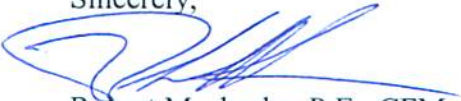
*WY*

<b>FC 12002 – PUBLIC INVOLVEMENT WITH STAKEHOLDERS AND 1 PUBLIC MEETING</b>		
NO UPDATE: This task has not started.	L&G	0%
<b>FC 12003 ~ PUBLIC INVOLVEMENT WITH STAKEHOLDERS AND 1 PUBLIC MEETING</b>		
NO UPDATE: This task has not started.	L&G	0%
<b>FC 12007 ~ ARCHEOLOGICAL AND HISTORICAL RESEARCH</b>		
NO UPDATE: This task has not started.	L&G	0%
<b>FC 12008 ~ ENGINEERING TECHNICAL SUPPORT AT PUBLIC MEETINGS WITH LAYOUTS, ETC.</b>		
UPDATED: L&G continues to develop the required exhibits in preparation for the needed public meeting to be scheduled in the near future. As soon as the plan of action is approved by TxDOT we will schedule a DCC meeting in order to facilitate the public meeting.	L&G	30%
<b>FC 12009 ~ ENGINEERING TECHNICAL SUPPORT AT PUBLIC HEARINGS WITH LAYOUTS, ETC.</b>		
NO UPDATE: This task has not started.	L&G	0%
<b>FC 12070 ~ ARCHEOLOGICAL AND HISTORICAL RESEARCH / SUB</b>		
NO UPDATE: This task has not started.	AmaTerra	0%
<b>FC 13007 ~ SUB-SURFACE UTILITY ENG. FOR RDWYS SURROUNDING COURTHOUSE</b>		
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%
<b>FC 13070 ~ SUB-SURFACE UTILITY ENG. FOR RDWYS SURROUNDING COURTHOUSE / SUB</b>		
NO UPDATE: ROWSS has begun the preliminary utility research and preliminary utility mapping.	ROWSS	10%
<b>FC 15001 ~ FIELD SURVEY FOR DESIGN &amp; EXIST ROW MAPPING</b>		
NO UPDATE: L&G has coordinated with the surveyor and identified priority areas for the existing ROW Mapping and provided them with boundaries to begin their design survey work.	L&G	30%
<b>FC 15010 ~ FIELD SURVEY FOR DESIGN &amp; EXIST ROW MAPPING / SUB</b>		
NO UPDATE: ROWSS has recovered the preliminary boundary & ROW corners along SH 107 & one block outside of the courthouse square. All of the preliminary research is complete and the project basemap is being prepared. 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	27.8%

<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. Watershed areas have been identified and stakeholder drainage coordination meetings will be held within the next couple of weeks.	L&G	30%
<b>FC 16302 ~ DEVELOP CONCEPTUAL TRAFFIC CONTROL PLAN OF SH 107 DRAINAGE STRUCTURES</b>		
<b>UPDATED:</b> L&G continues to work on the TCP Typical Sections, Layouts and Sequence of Construction.	L&G	30%
<b>FC 16307 ~ PRELIMINARY COMPENSABLE UTILITY IDENTIFICATION OF SCHEMATIC</b>		
<b>UPDATED:</b> L&G has identifies 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.	L&G	30%
<b>FC 60001 ~ ROW ACQUISITION PROCESS OF BUSINESS 281 @ COURTHOUSE SQUARE CLOSURE</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> </ul>	L&G	20%
<b>FC 60101 ~ COMPENSABLE UTILITY COORDINATION FOR BUSINESS 281 @ COURTHOUSE SQUARE</b>		
<b>UPDATED:</b> 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. L&G has received the City of Edinburg's water and sewer system files.	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 #: 11326039**  
**INVOICE DATE: 11/30/16**

**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
<b>Engineering services for the month of November 2016.</b>						
11002-Traffic Evalu	30,000.00	6,000.00	5,400.00	11,400.00	38.0	18,600.00
11005-Schem Developm	320,000.00	64,000.00	32,000.00	96,000.00	30.0	224,000.00
11006-Prel. ROW Requ	31,500.00	6,300.00	3,150.00	9,450.00	30.0	22,050.00
11008-Schm Rdwy TxDO	31,500.00				0.0	31,500.00
11020-Traffic Eval/SU	130,613.38	22,683.00	26,982.44	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 Invt (PM)	38,759.68				0.0	38,759.68
12003-Pub Invt (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	8,400.00	4,200.00	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		15,143.70	30.0	35,335.30
15010-Field Srvy/Sub	167,521.00	46,580.00		46,580.00	27.8	120,941.00
16101-Hydro Map	75,000.00	15,000.00	7,500.00	22,500.00	30.0	52,500.00
16302-Traf Cntrl Pln	72,000.00	14,400.00	7,200.00	21,600.00	30.0	50,400.00
16307- Prel Comp Uti	63,000.00	12,600.00	6,300.00	18,900.00	30.0	44,100.00
60001-ROW Req Admin	216,000.00	43,200.00		43,200.00	20.0	172,800.00
60101-Compens Utilit	113,400.00	22,680.00	11,340.00	34,020.00	30.0	79,380.00
<b>TOTALS:</b>	<b>1,683,412.00</b>	<b>298,068.98</b>	<b>104,072.44</b>	<b>402,141.42</b>	<b>23.9</b>	<b>1,281,270.58</b>

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 \$ 402,141.42  
LESS PREVIOUS INVOICES \$ 298,068.98

PROJECT MANAGER'S SIGNATURE

CURRENT PAYMENT DUE

\$ 104,072.44

PO# 750481

INVOICE RECEIVED BY: Rebecca D on 12/1/16  
GOODS / SRVS RECEIVED BY: Monica on 2/1/2016

6-1350-419-40-125-035-0-710

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

*5300 Hollister Rd., Suite 220*

*Houston, Texas 77040*

*Tel. (713) 956-9601*

*Fax: (713) 956-9667*

November 30, 2016

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

Reference: Invoice no. 2016-15-2 - Category III Traffic Impact Analysis  
For the Hidalgo County Courthouse; in Edinburg, Texas

Dear Jacinto:

Attached for your handling is invoice no. 2016-15-2, for services provided in conjunction with the above referenced project. It reflects our effort for the months of October and November 2016.

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.**

**INVOICE**

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



INVOICE NUMBER: 2016-15-2  
 INVOICE DATE: 11/30/2016  
 FOR SERVICES PROVIDED THROUGH: 11/30/2016

**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	90.00	16,443.96	\$14,799.56
III	Site Specific Generated traffic	0.00	\$8,799.64	\$0.00
IV	Total Traffic Conditions Scenario for Year 2026	0.00	9,026.52	\$0.00
V	Total Traffic Conditions Scenario for Years 2036 and 2046	0.00	\$8,799.74	\$0.00
VI	Traffic Impact during Courthouse Construction	0.00	\$5,995.88	\$0.00
VII	Internal Circulation	0.00	\$9,575.56	\$0.00
VIII	Implementation Plan	0.00	\$6,064.88	\$0.00
IX	Project Coordination	0.00	\$12,318.92	\$0.00
X	Traffic Impact Analysis Report	0.00	\$16,472.40	\$0.00
	<b>EXPENSES</b>			
	Travel	0.00	\$2,250.00	\$0.00
	Traffic Counts	100.00	\$22,683.00	\$22,683.00
	Total	38.02%	\$130,613.38	\$49,665.44
Amount Invoiced Previously				\$22,683.00
<b>Total Due this Invoice</b>				<b>\$26,982.44</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 NOVEMBER 30, 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 (90% 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) (0% Complete)**

- Completed

**TASK IV – Total Traffic Conditions Scenario for Year 2026 (0% Complete)**

- No action

**TASK V – Total Traffic Conditions Scenario for Years 2036 and 2046 (0% Complete)**

- No action

**TASK VI – Traffic Impact during Courthouse Construction (0% Complete)**

- No action

**TASK VII – Internal Circulation (0% Complete)**

- No action

**TASK VIII – Implementation Plan (0% Complete)**

- No action

**TASK IX – Project Coordination (0% Complete)**

- No action

**TASK X – Traffic Impact Analysis Report (0% Complete)**

- No action

**PENDING ISSUES:**

No Pending issues.

