

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

**INVOICE#:** 11327331  
**INVOICE DATE:** 1/2/2019

**BILL TO: 34**  
Hidalgo County Pct. #1  
902 Joe Stephens  
Weslaco, TX 78599

**JOB: 180601**  
FM 1015 Project WA#1  
PO# 785461

DESCRIPTION	CONTRACT	PREVIOUS APPLICATIONS	CURRENT COMPLETED	TOTAL COMPLETED	% COMPL	BALANCE TO FINISH
<b>Engineering services for the month of December 2018.</b>						
Work Authorization #1 - Public Involvement, Environmental Re-Evaluation, Schematic Update, Surveying and Hydrologic Design						
10206-Feasibility	30,000.00	30,000.00		30,000.00	100.0	-
11002-Schm Roadway	309,600.00	77,400.00	24,768.00	102,168.00	33.0	207,432.00
11004-Schm Outfalls	360,000.00	108,000.00	28,800.00	136,800.00	38.0	223,200.00
11007-Prelim ROW Req	42,000.00	10,500.00	3,360.00	13,860.00	33.0	28,140.00
11009-Prelim ROW Out	42,000.00	10,500.00	3,360.00	13,860.00	33.0	28,140.00
12002-Pub Invmt (PM)	57,600.00	11,520.00		11,520.00	20.0	46,080.00
12008-Eng/Pub Mtgs	40,000.00	8,000.00	3,200.00	11,200.00	28.0	28,800.00
15006-Field Surveys	98,179.00	92,905.85		92,905.85	94.6	5,273.15
15060-Field Survey/SUB	135,821.00			0.00	0.0	135,821.00
16101-Hydro Map	135,000.00	33,750.00	10,800.00	44,550.00	33.0	90,450.00
Sub Total	1,250,200.00	382,575.85	74,288.00	456,863.85		793,336.15
Supplemental #1 to Work Authorization #1 - Revised Scope of Work						
10206-Feasibility	-30,000.00	-30,000.00		-30,000.00	100.0	-
10211-Pre Engineering	30,000.00	10,500.00	2,400.00	12,900.00	43.0	17,100.00
15006-Field Survey	-78,179.00	-78,179.00		-78,179.00	100.0	-
16403-ProjectMngmnt	78,179.00	23,453.70	10,163.27	33,616.97	43.0	44,562.03
Sub Total	0.00	-74,225.30	12,563.27	-61,662.03		61,662.03
<b>TOTAL:</b>	<b>1,250,200.00</b>	<b>308,350.55</b>	<b>86,851.27</b>	<b>395,201.82</b>	<b>31.6</b>	<b>854,998.18</b>

ORIGINAL CONTRACT SUM	\$	1,250,200.00
CHANGE BY CHANGE ORDER	\$	0.00
CONTRACT SUM TO DATE	\$	1,250,200.00
TOTAL COMPLETED TO DATE	\$	395,201.82
LESS PREVIOUS INVOICES	\$	308,350.55
<b>CURRENT PAYMENT DUE</b>	<b>\$</b>	<b>86,851.27</b>

*Mariela G. Garcia*  
PROJECT MANAGER'S SIGNATURE

for: *JACINTO GARCIA*





January 2, 2019

Hon. David Fuentes  
Hidalgo County Commissioner, Pct. #1  
**Attn: Amy Saenz-Smith or Erica Espinoza**  
1902 Joe Stevens  
Weslaco, TX 78596

**RE: FM 1015 – WA#1**  
**Limits: Mile 12 to SH 107**  
**PO#785461- L&G Project#180601**

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 December 2018.

The following is attached:

- L & G's Invoice (and sub consultant invoice, if applicable)
- Exhibit C – Work Schedule

**Work Authorization#1 – Engineering services required for the preparation of the Public Involvement, Schematic and Hydrologic Design**

		<b>% Complete</b>
<b>FC 10200 – DETERMINE OF LOCAL COST vs STATE COST / FEASIBILITY STUDY and AGREEMENTS/AFA WITH TxDOT/LPA COORDINATION</b>		
<b>Supplemental #1 to Work Authorization #1 revises the scope of work and removes this scope of work</b>	<b>L&amp;G</b>	<b>100%</b>
<b>FC 11002 – SCHEMATIC FOR ROADWAY per TxDOT REQUIREMENTS</b>		
L&G continues to develop the schematic in preparation for an upcoming public meeting. The Schematic has been presented to both TxDOT and the County in its preliminary version. L&G will address the following Intersection improvements: <ul style="list-style-type: none"> <li>• Left turn lanes (east &amp; west) will be added @ Mile 12, Mile 12 ½, Mile 14 and Mile 15 intersections.</li> <li>• Left turn lanes (west only) will be added @ Mile 13 ½ and Mile 16.</li> <li>• Left turn lanes will not be added @ Mile 13, Mile 14 ½ and Mile 15 ½.</li> </ul>	<b>L&amp;G</b>	<b>33%</b>

<b>FC 11004 – SCHEMATIC FOR OUTFALLS (w/o FIELD VERIFIED EXIST ROW)</b>		
<p>A preliminary layout with Contours and ditch elevations based on Lidar information has been developed and presented to the County, the HCDD#1 and the TxDOT Engineer. At a minimum 8 to 9 outfalls have been identified, but the length will vary from 10- 15 miles depending on the existing condition of the current outfalls. L&amp;G has performed the following for the eight (8) outfalls:</p> <ul style="list-style-type: none"> <li>• Developed chains (horizontal alignments) along all eight outfalls.</li> <li>• LIDAR information has been generated for all eight outfalls based on shape files.</li> <li>• Preliminary schematics for all outfalls.</li> </ul> <p>L&amp;G has flown and collected data via drone for all outfalls in order to check the validity of LIDAR information as well as updating visual imagery. Outfall schematics have been updated to the latest imagery.</p>	<b>L&amp;G</b>	<b>38 %</b>
<b>FC 11007 – OFFICE SURVEYS FOR SCHEMATIC (PREL. OWNERSHIP IDENTIFICATION AND PROPERTY RIGHTS) ROADWAY</b>		
<p>L&amp;G has field verified multiple utilities along the project, uploaded the appraisal district database for property ownership and continues to placing the information on the preliminary schematic. L&amp;G has been using “Carson Maps” as an aid in recovering existing ROW information along the outfalls and at intersections.</p>	<b>L&amp;G</b>	<b>33%</b>
<b>FC 11009 – OFFICE SURVEYS FOR SCHEMATIC (PREL. OWNERSHIP IDENTIFICATION AND PROPERTY RIGHTS) 13,240 FT. OF OUTFALLS</b>		
<p>Property owners have been mapped and identified on the proposed schematics based on the appraisal district records and preliminary research of deeds. This is an ongoing deliverable. L&amp;G has been using “Carson Maps” as an aid in recovering existing ROW information along the outfalls.</p>	<b>L&amp;G</b>	<b>33%</b>
<b>FC 12002 – PUBLIC INVOLVEMENT FOR THE PROJECT WITH STAKEHOLDERS AND 1 PUBLIC MEETING</b>		
<p>L&amp;G has presented this project to TxDOT, Hidalgo County, HCDD#1 and presented it to the Mayors of the Cities of Edcouch, Weslaco and Elsa on August 23, 2018. This is an ongoing deliverable.</p>	<b>L&amp;G</b>	<b>20%</b>
<b>FC 12008 – ENGINEERING TECHNICAL SUPPORT AT PUBLIC MEETINGS WITH LAYOUTS etc.</b>		
<p>L&amp;G generated the Preliminary Schematic, Hydrologic Map, Typical Sections for presentation to the various stakeholders. This is an ongoing deliverable.</p>	<b>L&amp;G</b>	<b>28%</b>

<b>FC 15006 – FIELD SURVEYS FOR DESIGN AND CONSTRUCTION OF ROADWAY</b>		
<p><b>Supplemental #1 to Work Authorization #1 revises the scope of work.</b></p> <p>L&amp;G Engineering has completed the design survey contracts with the surveyor and identified limits of the surveys and outfalls. The surveyor was provided with a preliminary schematic for their reference and limits of the various outfalls identified. The existing H&amp;V Control as well as the 1<sup>st</sup> Order Survey Control for the Project is being researched for submittal to the Surveyor.</p>	<b>L&amp;G</b>	<b>94.6%</b>
<b>FC 15060 - FIELD SURVEYS FOR DESIGN AND CONSTRUCTION OF ROADWAY / SUB</b>		
<b>This task has not begun</b>	<b>ROWSS</b>	<b>0%</b>
<b>FC 16101 – HYDROLOGICAL MAP FOR 8 OUTFALL DRAIN DITCHES (OUTFALL AND CAPACITIES)</b>		
L&G will continue to develop the Hydrologic Map in preparation for the upcoming public meeting. Updates and field verification of elevations are ongoing. Hydrologic map has been updated to reflect outfalls as per Master drainage plan in Precinct 1.	<b>L&amp;G</b>	<b>33%</b>

**Supplemental #1 to Work Authorization #1 – Revised Scope of Work**

<b>FC 10200 – DETERMINE OF LOCAL COST vs STATE COST / FEASIBILITY STUDY and AGREEMENTS/AFA WITH TxDOT/LPA COORDINATION</b>		
<p><b>Supplemental #1 to Work Authorization #1 revises the scope of work and removes this scope.</b></p>	<b>L&amp;G</b>	<b>100%</b>
<b>FC 10211 - PRELIMINARY ENGINEERING</b>		
<p><b>Supplemental #1 to Work Authorization #1 revises the scope of work to include this scope.</b></p> <p>L&amp;G along with Comm. Fuentes presented to TxDOT the subject project and received concurrence from TxDOT for the County to take the lead in moving the project forward. David Suarez has been instrumental with L&amp;G Staff in the assignment of MPO funding for the Project.</p>	<b>L&amp;G</b>	<b>43%</b>
<b>FC 15006 – FIELD SURVEYS FOR DESIGN AND CONSTRUCTION OF ROADWAY</b>		
<p><b>Supplemental #1 to Work Authorization #1 revises the scope of work.</b></p>	<b>L&amp;G</b>	<b>100%</b>
<b>FC 16403 – PROJECT MANAGEMENT</b>		
<p><b>Supplemental #1 to Work Authorization #1 revises the scope of work.</b></p> <p>Contracts have been developed with all the subcontractors and the County. Several meetings with layouts have been held with City of Edcouch, TxDOT, Hidalgo County Pct #3 and HCDD#1.</p>	<b>L&amp;G</b>	<b>43%</b>

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

Sincerely,

*Marisela G. Mann*

*For:* Carlos Peralez, P.E.  
Project Manager