

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

**INVOICE#:** 11327599  
**INVOICE DATE:** 5/31/2019

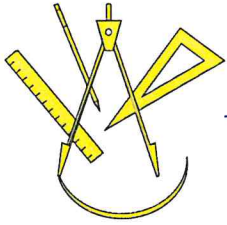
**BILL TO: 34**  
Hidalgo County Pct. #1  
902 Joe Stephens  
Weslaco, TX 78599

**JOB: 180501**  
Mile 6 Project WA#1  
PO# 784887  
(From: Mile 11 to SH107)

DESCRIPTION	CONTRACT	PREVIOUS APPLICATIONS	CURRENT COMPLETED	TOTAL COMPLETED	% COMPL	BALANCE TO FINISH
<b>Engineering services for the month of May 2019.</b>						
Work Authorization #1 - Re-Evaluation Document, Public Involvement, Schematic and Hydrologic Design						
10206-Feasibility	30,000.00	30,000.00		30,000.00	100.0	-
11002-Schm Roadway	180,000.00	108,000.00	14,400.00	122,400.00	68.0	57,600.00
11005-Dsgn Schm Outfall	180,000.00	108,000.00	14,400.00	122,400.00	68.0	57,600.00
11007-Schm Rdwy TxDOT	45,000.00	9,000.00		9,000.00	20.0	36,000.00
11009-Pr1 ROW Outfall	90,000.00	54,000.00	7,200.00	61,200.00	68.0	28,800.00
12001-EA Reports	86,400.00	34,560.00	2,592.00	37,152.00	43.0	49,248.00
12002-Pub Invmnt (PM)	43,200.00	7,776.00	864.00	8,640.00	20.0	34,560.00
12007-Arch & Hist	10,166.40	1,321.63		1,321.63	13.0	8,844.77
12008-Eng/Pub Mtgs	36,000.00	6,480.00	1,080.00	7,560.00	21.0	28,440.00
12070-Arch & Hist/SUB	27,333.60			0.00	0.0	27,333.60
15007-Sub-Surfc Util	208,210.00	208,210.00		208,210.00	100.0	-
15008-Field Srvy Out	209,940.00	209,431.00		209,431.00	99.8	509.00
15070-SubSurface Eng	10,540.00			0.00	0.0	10,540.00
15080-Field Srvy/SUB	245,060.00	39,525.00		39,525.00	16.1	205,535.00
16101-Hydro Map	90,000.00	54,000.00	4,500.00	58,500.00	65.0	31,500.00
16204-Signal Warrant	8,240.56	6,732.54		6,732.54	81.7	1,508.02
16206-Trfc Prjetns	18,288.72	18,288.72		18,288.72	100.0	-
16240-Signl Wrnts/SUB	65,759.44	53,731.53		53,731.53	81.7	12,027.91
16260-Trfc Prj/SUB	21,711.28	19,711.28		19,711.28	90.8	2,000.00
Sub Total	1,605,850.00	968,767.70	45,036.00	1,013,803.70		592,046.30
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	18,000.00		18,000.00	60.0	12,000.00
11005-Dsgn Schm Outfall	177,940.00	106,764.00	8,897.00	115,661.00	65.0	62,279.00
15007-Sub-Surf Util	-187,389.00	-187,389.00		-187,389.00	100.0	-
15008-Field Srvy Out	-177,940.00	-177,940.00		-177,940.00	100.0	-
16403-ProjectMngmnt	187,389.00	103,063.95	9,369.45	112,433.40	60.0	74,955.60
Sub Total	0.00	-167,501.05	18,266.45	-149,234.60		149,234.60
<b>TOTAL:</b>	<b>1,605,850.00</b>	<b>801,266.65</b>	<b>63,302.45</b>	<b>864,569.10</b>	<b>53.8</b>	<b>741,280.90</b>

ORIGINAL CONTRACT SUM	\$	1,605,850.00
CHANGE BY CHANGE ORDER	\$	0.00
CONTRACT SUM TO DATE	\$	1,605,850.00
TOTAL COMPLETED TO DATE	\$	864,569.10
LESS PREVIOUS INVOICES	\$	801,266.65
<b>CURRENT PAYMENT DUE</b>	<b>\$</b>	<b>63,302.45</b>

  
PROJECT MANAGER'S SIGNATURE



# L&G Engineering

Transportation Consultants

June 3, 2019

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

**RE: Mile 6 Project – WA#1**  
**Limits: Mile 11 to SH 107**  
**PO#784887 - L&G Project#180501**

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 May 2019.

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 Re-Evaluation Document, Public Involvement, Schematic and Hydrologic Design**

		% Complete
<b>FC 10206 – DETERMINE LOCAL COSTS vs STATE COSTS / 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.</b>	<b>L&amp;G</b>	<b>100%</b>
<b>FC 11002 – SCHEMATIC FOR ROADWAY</b>		
L&G has modified schematic to address the following: <ul style="list-style-type: none"><li>• Added existing profile @ CL based on LIDAR</li><li>• Added existing LT &amp; RT ROW profile based on LIDAR</li><li>• Updated ROW parcel counts</li><li>• Established exist. Centerline of ROW based on approved survey</li></ul>	<b>L&amp;G</b>	<b>68%</b>

<b>FC 11005 – SCHEMATIC FOR OUTFALLS</b>		
<p>L&amp;G has developed preliminary schematics for each of the nine outfalls on the project (approx. 2.25 mi.) that include the following:</p> <ul style="list-style-type: none"> <li>• Determined existing and proposed horizontal alignments along all nine (9) outfalls.</li> <li>• Vertical alignments have been determined based on LIDAR information.</li> <li>• Aerial imagery via drone has been generated for all nine outfalls based on shape files.</li> <li>• Existing ROW based on Carson Maps and/or HCCID#9 information and proposed ROW based on HCDD#1 criteria.</li> <li>• All existing structures along outfalls have been visually identified to include on schematics.</li> <li>• Aerial imagery via drone has been generated for all nine outfalls based on shape files. L&amp;G has updated schematics based on this.</li> <li>• L&amp;G has identified all HCDD#1 Bond projects.</li> <li>• L&amp;G has determined ROW and construction costs for all nine outfalls.</li> <li>• L&amp;G has met with HCDD#1 to get concurrence. Pending meeting with TxDOT in June 2019.</li> </ul>	<b>L&amp;G</b>	<b>68%</b>
<b>FC 11007 – UPDATE SCHEMATIC BASED ON COMMENTS AS PROVIDED BY TxDOT / FHWA &amp; EA UPDATE</b>		
<p><b>No change from prior invoice</b>  L&amp;G has presented to TxDOT our initial schematic of the Roadway and we are continuing to update and refine the roadway schematic as well as develop the outfall schematics.</p>	<b>L&amp;G</b>	<b>20%</b>
<b>FC 11009 – OFFICE SURVEYS FOR SCHEMATIC (PRELIMINARY OWNER IDENTIFIED AND COMP. PROPERTY RIGHTS, ROADWAY &amp; OUTFALLS</b>		
<p>Property owners have been mapped and identified on the proposed roadway schematic, revised intersections and on all nine outfalls. This information is based on the appraisal district records and preliminary research of deeds.</p>	<b>L&amp;G</b>	<b>68%</b>
<b>FC 12001 – Re-EVALUATION OF ENVIRONMENTAL DOCUMENT WITH TxDOT</b>		
<p>L&amp;G continues to update the fact sheet for the scoping meeting with TxDOT. L&amp;G has begun drafting the reevaluation checklist and corresponding attachments.</p>	<b>L&amp;G</b>	<b>43%</b>
<b>FC 12002 – PUBLIC INVOLVEMENT FOR THE PROJECT WITH STAKEHOLDERS</b>		
<p>L&amp;G continues to prepare the MAPO letters, exhibits, and corresponding attachments.</p>	<b>L&amp;G</b>	<b>20%</b>

<b>FC 12007 – ARCHEOLOGICAL AND HISTORICAL RESEARCH</b>		
<b>No change from prior invoice</b> L&G continues to update fact sheets, shape files, and supporting information for the Sub-Consultant to schedule the necessary surveys for the project.	<b>L&amp;G</b>	<b>13%</b>
<b>FC 12008 – ENGINEERING TECHNICAL SUPPORT FOR LIMITED PUBLIC INVOLVEMENT</b>		
<b>No change from prior invoice</b> Several Schematics have been developed and used at Presentations with TxDOT, HCDD#1, the City(s) of Weslaco, Elsa and Edcouch as well as the HCMPO. These maps are continuously being updated.	<b>L&amp;G</b>	<b>21%</b>
<b>FC 12070 – ARCHEOLOGICAL AND HISTORICAL RESEARCH / SUB</b>		
<b>This task has not begun</b>	<b>AmaTerra</b>	<b>0%</b>
<b>FC 15007 – SUB-SURFACE UTILTIY ENGINEERING (SUE) 25 POT HOLES / MILE (ROADWAY AND OUTFALLS)</b>		
<b>Supplemental #1 to Work Authorization #1 revises the scope of work.</b> We have completed the sub-contracts with Alfonso Quintanilla and have provided his office with our existing digital files. We are plotting and researching the various utilities within the project.	<b>L&amp;G</b>	<b>100%</b>
<b>FC 15008 – FIELD SURVEYS FOR DESIGN AND CONSTRUCTION OF ROADWAY AND 9 OUTFALLS</b>		
<b>Supplemental #1 to Work Authorization #1 revises the scope of work.</b> We have completed the sub-contracts with Alfonso Quintanilla and have provided his office with our existing digital files. All of the H&V Control is being gathered and coordination with the surveyor is on-going.	<b>L&amp;G</b>	<b>99.8%</b>
<b>FC 15070 - SUB-SURFACE UTILITY ENGINEERING (SUE) 25 POT HOLES / MILE (ROADWAY AND OUTFALLS) / SUB</b>		
<b>This task has not begun.</b>	<b>QUINTANILLA</b>	<b>0%</b>
<b>FC 15080 - FIELD SURVEYS FOR DESIGN AND CONSTRUCTION OF ROADWAY AND 9 OUTFALLS / SUB</b>		
<b>No change from prior invoice</b> Quintanilla, Headley & Associates (Sub) have set all BM's to establish vertical control. 3 wire loops have been completed. They have also set/recovered existing centerline of roadway as well as center of existing ROW for the section from 1000 ft. south of Mile 14 ½ to SH 107.	<b>QUINTANILLA</b>	<b>16.1%</b>

<b>FC 16101 – HYDROLOGICAL MAP FOR OUTFALL DRAIN DITCHES (OUTFALL AND CAPACITIES)</b>		
L&G has updated Hydrologic Map based on the latest outfall schematics approved by HCDD#1. Comments received at meetings with the various Cities and TxDOT have been addressed.	<b>L&amp;G</b>	<b>65%</b>
<b>FC 16204 – TRAFFIC SIGNAL RE-WARRANTS AND MULTIWAY STOP CONTROL WARRANT STUDIES</b>		
<b>No change from prior invoice</b> L&G has received and reviewed ETSI (Sub) Traffic Signal Re-Warrant study for the signal at SH 107. L&G has received and reviewed all Multiway-stop control warrant studies submitted by ETSI as well.	<b>L&amp;G</b>	<b>81.7%</b>
<b>FC 16206 – TRAFFIC COUNT PROJECTIONS FOR 20-YRS FOR SCHEMATICS</b>		
Contract was generated with Sub C&M and scope of services was identified. C&M was provided with Traffic Data from adjacent section for their reference. C&M has now completed their traffic analysis and submitted to L&G for review. L&G has reviewed and routed this data to TxDOT for further handling. <b>This task is now complete.</b>	<b>L&amp;G</b>	<b>100%</b>
<b>FC 16240 - TRAFFIC SIGNAL RE-WARRANTS AND MULTIWAY STOP CONTROL WARRANT STUDIES / SUB</b>		
<b>No change from prior invoice</b> ETSI (Sub) is approximately 80% complete with their Traffic Signal and Multi-Way Stop Control Warrant Studies. The following tasks have been performed: <ul style="list-style-type: none"> <li>• Collection of Data and Conduction of Field Investigations</li> <li>• Intersection Exhibits</li> <li>• Traffic signal &amp; Multi-Way Stop control Warrant Analysis</li> <li>• Photo Album</li> <li>• Recommendations</li> <li>• Study Report</li> </ul>	<b>ETSI</b>	<b>81.7%</b>
<b>FC 16260 - TRAFFIC COUNT AND MODELING PROJECTIONS FOR 20-YRS FOR SCHEMATICS / SUB</b>		
C&M has completed their traffic projects and has submitted all data. <b>This task is now complete.</b>	<b>C&amp;M</b>	<b>90.8%</b>

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

<p><b>FC 10206 - FC 10206 – DETERMINE LOCAL COSTS vs STATE COSTS / FEASIBILITY STUDY and AGREEMENTS/AFA WITH TxDOT/LPA COORDINATION</b></p>		
<p><b>Supplemental #1 to Work Authorization #1 revises the scope of work and removes this scope.</b></p>	<p><b>L&amp;G</b></p>	<p><b>100%</b></p>
<p><b>FC 10211 - PRELIMINARY ENGINEERING</b></p>		
<p><b>Supplemental #1 to Work Authorization #1 revises the scope of work to include this scope.</b>  L&amp;G has developed several cost breakdowns for Pct. #1 and have had several meetings with TxDOT and the MPO to verify the approximate totals based on the preliminary schematics and schedule of work. This work is ongoing on a monthly basis and updated as the schematics continue to be worked on.</p>	<p><b>L&amp;G</b></p>	<p><b>60%</b></p>
<p><b>FC 11005 – SCHEMATIC FOR OUTFALLS</b></p>		
<p>L&amp;G has developed preliminary schematics for each of the nine outfalls on the project (approx. 7.0 mi.) that include the following:</p> <ul style="list-style-type: none"> <li>• Determined existing and proposed horizontal alignments along all nine (9) outfalls.</li> <li>• Vertical alignments have been determined based on LIDAR information.</li> <li>• Aerial imagery via drone has been generated for all nine outfalls based on shape files.</li> <li>• Existing ROW based on Carson Maps and/or HCCID#9 information and proposed ROW based on HCDD#1 criteria.</li> <li>• All existing structures along outfalls have been visually identified to include on schematics.</li> <li>• Aerial imagery via drone has been generated for all nine outfalls based on shape files. L&amp;G has updated schematics based on this.</li> <li>• L&amp;G has identified all HCDD#1 Bond projects.</li> <li>• L&amp;G has determined ROW and construction costs for all nine outfalls.</li> <li>• L&amp;G has met with HCDD#1 to get concurrence. Pending meeting with TxDOT in June 2019.</li> </ul>	<p><b>L&amp;G</b></p>	<p><b>65%</b></p>
<p><b>FC 15007 – SUB-SURFACE UTILTIY ENGINEERING (SUE) 25 POT HOLES / MILE (ROADWAY AND OUTFALLS)</b></p>		
<p><b>Supplemental #1 to Work Authorization #1 revises the scope of work.</b></p>	<p><b>L&amp;G</b></p>	<p><b>100%</b></p>

<b>FC 15008 – FIELD SURVEYS FOR DESIGN AND CONSTRUCTION OF ROADWAY AND 9 OUTFALLS</b>		
<b>Supplemental #1 to Work Authorization #1 revises the scope of work.</b>	<b>L&amp;G</b>	<b>100%</b>
<b>FC 16403 – PROJECT MANAGEMENT</b>		
<b>Supplemental #1 to Work Authorization #1 revises the scope of work.</b> 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 #1 and HCDD#1.	<b>L&amp;G</b>	<b>60%</b>

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

Sincerely,



Carlos Peralez, P.E.

Project Manager

