

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

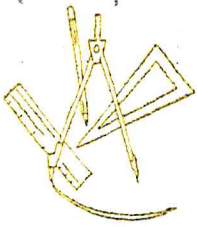
**INVOICE#:** 11328281  
**INVOICE DATE:** 8/31/2020

**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 August 2020.</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	176,400.00		176,400.00	98.0	3,600.00
11005-Dsgn Schm Outfall	180,000.00	176,400.00		176,400.00	98.0	3,600.00
11007-Schm Rdwy TxDOT	45,000.00	40,500.00		40,500.00	90.0	4,500.00
11009-Pr1 ROW Outfall	90,000.00	90,000.00		90,000.00	100.0	-
12001-EA Reports	86,400.00	67,392.00		67,392.00	78.0	19,008.00
12002-Pub Invmnt (PM)	43,200.00	25,920.00	2,160.00	28,080.00	65.0	15,120.00
12007-Arch & Hist	10,166.40	2,033.28	2,033.28	4,066.56	40.0	6,099.84
12008-Eng/Pub Mtgs	36,000.00	21,600.00	1,800.00	23,400.00	65.0	12,600.00
12070-Arch & Hist/SUB	27,333.60	285.90	27,047.70	27,333.60	100.0	-
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		0.00	0.0	10,540.00
15080-Field Srvy/SUB	245,060.00	178,790.00		178,790.00	73.0	66,270.00
16101-Hydro Map	90,000.00	86,400.00		86,400.00	96.0	3,600.00
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	1,411,826.25	33,040.98	1,444,867.23		160,982.77
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	26,100.00		26,100.00	87.0	3,900.00
11005-Dsgn Schm Outfall	177,940.00	172,601.80		172,601.80	97.0	5,338.20
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	172,397.88		172,397.88	92.0	14,991.12
Sub Total	0.00	-24,229.32	0.00	-24,229.32		24,229.32
Supplemental #2 to WA#1 - Archeological and Historical will be performed by both L&G Engineering and AmaTerra.						
12007-Arch & Hist	24,474.60		4,894.92	4,894.92	20.0	19,579.68
12070-Arch & Hist/SUB	-27,333.60		-27,333.60	-27,333.60	100.0	-
12070-Arch & Hist/SUB	2,859.00		2,716.05	2,716.05	95.0	142.95
Sub Total	0.00	0.00	-19,722.63	-19,722.63		19,722.63
<b>TOTAL:</b>	<b>1,605,850.00</b>	<b>1,387,596.93</b>	<b>13,318.35</b>	<b>1,400,915.28</b>	<b>87.2</b>	<b>204,934.72</b>





September 1, 2020

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 request for payment for services rendered during the month of August 2020.

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**

TASK		% 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>		
<b>No change from prior invoice</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><li>• Placed vertical alignment on schematic based on LIDAR.</li><li>• Received topo and TIN file.</li><li>• The roadway schematic was updated based on comments from TxDOT and submitted to them for approval.</li></ul>	<b>L&amp;G</b>	<b>98%</b>

<b>FC 11005 – SCHEMATIC FOR OUTFALLS</b>		
<p><b>No change from prior invoice</b>  L&amp;G has developed schematics for each of the nine outfalls on the project (approx. 8 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.</li> <li>• Letter from Pct. 1 to TxDOT was sent on July 15, 2019 on funding recommendations for outfalls. HCDD#1 concurred by letter dated October 7, 2019.</li> <li>• Concurrence letter was sent from TxDOT on 12-2-19 regarding outfall improvements.</li> <li>• Environmental Scoping meeting with TxDOT was held on 8-21-19.</li> <li>• The outfall schematics were updated and submitted to TxDOT.</li> </ul>	<b>L&amp;G</b>	<b>98%</b>
<b>FC 11007 – UPDATE SCHEMATIC BASED ON COMMENTS AS PROVIDED BY TxDOT / FHWA &amp; EA UPDATE</b>		
<p><b>NO UPDATE:</b> A DCC meeting was held between TxDOT personnel, HC Pct 1 personnel, and L&amp;G Engineering Personnel on June 12, 2020. After the successful DCC meeting the County requested a public meeting schedule and L&amp;G updated the schematics.</p>	<b>L&amp;G</b>	<b>90%</b>
<b>FC 11009 – OFFICE SURVEYS FOR SCHEMATIC (PRELIMINARY OWNER IDENTIFIED AND COMP. PROPERTY RIGHTS, ROADWAY &amp; OUTFALLS</b>		
<b>This task is complete.</b>	<b>L&amp;G</b>	<b>100%</b>
<b>FC 12001 – Re-EVALUATION OF ENVIRONMENTAL DOCUMENT WITH TxDOT</b>		
<p><b>NO UPDATE:</b> L&amp;G’s Environmental Group continues to prepare technical reports for submittal to TxDOT.</p>	<b>L&amp;G</b>	<b>78%</b>
<b>FC 12002 – PUBLIC INVOLVEMENT FOR THE PROJECT WITH STAKEHOLDERS</b>		
<p><b>UPDATE:</b> L&amp;G received comments from TxDOT on the draft notices for a virtual public meeting, the agenda packets, presentation, and resubmitted to TxDOT on 8/11/20. Waiting for TxDOT to set Mock Meeting date.</p>	<b>L&amp;G</b>	<b>65%</b>

<b>FC 12007 – ARCHEOLOGICAL AND HISTORICAL RESEARCH</b>		
<b>UPDATE:</b> L&G has provided additional information such as KMZ files and project facts sheets to sub-consultant.	<b>L&amp;G</b>	<b>40%</b>
<b>FC 12008 – ENGINEERING TECHNICAL SUPPORT FOR LIMITED PUBLIC INVOLVEMENT</b>		
<b>UPDATE:</b> L&G is continuing to finalize the schematics and hydrologic maps in preparation for the virtual public meeting.	<b>L&amp;G</b>	<b>65%</b>
<b>FC 12070 – ARCHEOLOGICAL AND HISTORICAL RESEARCH / SUB</b>		
<b>UPDATE:</b> The Sub-Consultant has begun preparing the background study report for the project.	<b>AmaTerra</b>	<b>1%</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. Sub has submitted topo and TIN files that L&G Engineering is currently reviewing for correctness. Sub has completed Outfall survey for B7 thru B9.	<b>QUINTANILLA</b>	<b>73%</b>
<b>FC 16101 – HYDROLOGICAL MAP FOR OUTFALL DRAIN DITCHES (OUTFALL AND CAPACITIES)</b>		
<b>No change from prior invoice</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>96%</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>		
<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**

<b>FC 10206 - 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 10211 - PRELIMINARY ENGINEERING</b>		
<b>Supplemental #1 to Work Authorization #1 revises the scope of work to include this scope.</b> L&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.	<b>L&amp;G</b>	<b>87%</b>
<b>FC 11005 – SCHEMATIC FOR OUTFALLS</b>		
<b>No change from prior invoice</b> L&G has developed preliminary schematics for each of the nine outfalls on	<b>L&amp;G</b>	<b>97%</b>

<p>the project (approx. 8.0 mi.) that include the following:</p> <ul style="list-style-type: none"> <li>• Determined exist and prop horizontal alignments along all nine 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. A meeting with TxDOT was held on October 28, 2019.</li> <li>• Concurrence letter was sent from TxDOT on 12-2-19 regarding outfall improvements.</li> </ul>		
<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>	<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>	<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>  Several meetings with layouts have been held with TxDOT, Hidalgo County Pct #1 and HCDD#1. L&amp;G lead a preliminary DCC meeting and TxDOT has scheduled a DCC meeting.</p>	<b>L&amp;G</b>	<b>92%</b>

**Supplemental #2 to WA#1 – Archeological and Historical will be performed by both L&G Engineering and AmaTerra.**

<b>FC 12007 – ARCHEOLOGICAL AND HISTORICAL RESEARCH</b>		
<p><b>UPDATE:</b> L&amp;G has completed the field work, photographed the areas potential affect, provided QA/QC on the background study and submitted to TxDOT for their review and approval.</p>	<b>L&amp;G</b>	<b>20%</b>
<b>FC 12070 – ARCHEOLOGICAL AND HISTORICAL RESEARCH / SUB</b>		
<p><b>UPDATE:</b> L&amp;G and AmaTerra will perform the Archeological and Historical Services. Funds have been reallocated. This task is complete.</p>	<b>L&amp;G</b>	<b>100%</b>
<b>FC 12070 – ARCHEOLOGICAL AND HISTORICAL RESEARCH / SUB</b>		
<p><b>UPDATE:</b> The Sub-Consultant prepared and completed the background study report for the project.</p>	<b>AmaTerra</b>	<b>95%</b>

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

Sincerely,



*Ar*: Armando J. Sandoval, P.E.  
Project Manager

