

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

**INVOICE#:** 11328482  
**INVOICE DATE:** 2/28/2021

**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 February 2021.</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	42,750.00		42,750.00	95.0	2,250.00
11009-Pr1 ROW Outfall	90,000.00	90,000.00		90,000.00	100.0	-
12001-EA Reports	86,400.00	73,440.00	864.00	74,304.00	86.0	12,096.00
12002-Pub Invmnt (PM)	43,200.00	43,200.00		43,200.00	100.0	-
12007-Arch & Hist	10,166.40	4,066.56	1,016.64	5,083.20	50.0	5,083.20
12008-Eng/Pub Mtgs	36,000.00	36,000.00		36,000.00	100.0	-
12070-Arch & Hist/SUB	27,333.60	27,333.60		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	10,540.00		10,540.00	100.0	-
15080-Field Srvy/SUB	245,060.00	245,060.00		245,060.00	100.0	-
16101-Hydro Map	90,000.00	90,000.00		90,000.00	100.0	-
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	1,561,295.23	1,880.64	1,563,175.87		42,674.13
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	28,500.00		28,500.00	95.0	1,500.00
11005-Dsgn Schm Outfall	177,940.00	174,381.20		174,381.20	98.0	3,558.80
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	178,019.55		178,019.55	95.0	9,369.45
Sub Total	0.00	-14,428.25	0.00	-14,428.25		14,428.25
Supplemental #2 to WA#1 - Archeological and Historical will be performed by both L&G Engineering and AmaTerra.						
12007-Arch & Hist	24,474.60	7,342.38	2,447.46	9,789.84	40.0	14,684.76
12070-Arch & Hist/SUB	-27,333.60	-27,333.60		-27,333.60	100.0	-
12070-Arch & Hist/SUB	2,859.00	2,859.00		2,859.00	100.0	-
Sub Total	0.00	-17,132.22	2,447.46	-14,684.76		14,684.76
<b>TOTAL:</b>	<u>1,605,850.00</u>	<u>1,529,734.76</u>	<u>4,328.10</u>	<u>1,534,062.86</u>	95.5	<u>71,787.14</u>

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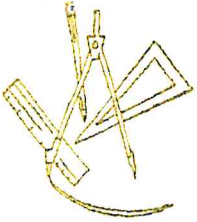
**BILL TO: 34**  
Hidalgo County Pct. #1  
902 Joe Stephens  
Weslaco, TX 78599

**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
			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		\$	1,534,062.86
			LESS PREVIOUS INVOICES		\$	1,529,734.76
			CURRENT PAYMENT DUE		\$	4,328.10



PROJECT MANAGER'S SIGNATURE



March 1, 2021

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 for the month of February 2021.

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></ul>	<b>L&amp;G</b>	<b>98%</b>

<ul style="list-style-type: none"> <li>• The roadway schematic was updated based on comments from TxDOT and submitted to them for approval.</li> <li>• A virtual public meeting was held, the comment period passed and the schematic was updated with the latest public comments, as necessary.</li> <li>• Traffic Analysis from TxDOT has been approved and the schematic is being updated with the approved ADT information.</li> <li>• TxDOT has provided additional schematic comments and L&amp;G Engineering is updating the schematic as necessary.</li> <li>• L&amp;G has updated the schematics based on the comments that were received from TxDOT. Waiting for final approval from TxDOT.</li> </ul> <p><b>No Invoice</b></p>		
<b>FC 11005 – SCHEMATIC FOR OUTFALLS</b>		
<p>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> <li>• A virtual public meeting was held, the comment period passed and the schematic was updated with the latest public comments, as necessary.</li> <li>• Traffic Analysis from TxDOT has been approved and the schematic is being updated with the approved ADT information.</li> <li>• TxDOT has provided additional schematic comments and L&amp;G Engineering is updating the schematic as necessary.</li> <li>• L&amp;G has updated the schematics based on the comments that were received from TxDOT. Waiting for final approval from TxDOT.</li> </ul> <p><b>No Invoice</b></p>	<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>		
A Virtual Public Meeting was held on November 3, 2020. The comment period has been completed and comments that were received by the public are being addressed as necessary. TxDOT PM also provided additional comments on the schematic and are being addressed as necessary. <b>No Invoice/No Update</b>	<b>L&amp;G</b>	<b>95%</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>		
<b>UPDATE:</b> L&G’s Environmental Group continues to prepare the technical reports for submittal to TxDOT. The Hazardous Materials Initial Site Assessment technical report was submitted to the RPIC in January and waiting for submittal to TxDOT.	<b>L&amp;G</b>	<b>86%</b>
<b>FC 12002 – PUBLIC INVOLVEMENT FOR THE PROJECT WITH STAKEHOLDERS</b>		
<b>UPDATE:</b> The virtual public meeting was held and the public involvement documentation was prepared and submitted to TxDOT. This task is complete.	<b>L&amp;G</b>	<b>100%</b>
<b>FC 12007 – ARCHEOLOGICAL AND HISTORICAL RESEARCH</b>		
<b>UPDATE:</b> TxDOT has approved the background study; therefore, L&G is verifying property ownership information and moving forward in obtaining ROE at the intersections where additional ROW is needed to conduct archeological surveys. Additional preliminary field work and research has been conducted to update project information in preparation for completing the survey.	<b>L&amp;G</b>	<b>50%</b>
<b>FC 12008 – ENGINEERING TECHNICAL SUPPORT FOR LIMITED PUBLIC INVOLVEMENT</b>		
<b>NO UPDATE:</b> The virtual public meeting was held. This task is complete.	<b>L&amp;G</b>	<b>100%</b>
<b>FC 12070 – ARCHEOLOGICAL AND HISTORICAL RESEARCH / SUB</b>		
<b>NO UPDATE:</b> This task is complete.	<b>AmaTerra</b>	<b>100%</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>		
All sub-surface utility engineering has been completed for the project limits. DGN files of the SUE data has been provided to L&G Engineering for their use.	<b>QUINTANILLA</b>	<b>100%</b>
<b>FC 15080 - FIELD SURVEYS FOR DESIGN AND CONSTRUCTION OF ROADWAY AND 9 OUTFALLS / SUB</b>		
All surveying has been completed on the project for the roadway and for outfalls. TOPO, TIN, 3D DGN, etc... Files have been submitted to L&G Engineering.	<b>QUINTANILLA</b>	<b>100%</b>
<b>FC 16101 – HYDROLOGICAL MAP FOR OUTFALL DRAIN DITCHES (OUTFALL AND CAPACITIES)</b>		
A hydraulic report, based off of the Hydrologic Map that was submitted to TxDOT, has been created and has been submitted to the County for their submittal to TxDOT for their review and concurrence. TxDOT has provided comments on the H&H report, L&G Engineering has updated the report based on comments from TxDOT and is preparing it for submittal to TxDOT.	<b>L&amp;G</b>	<b>100%</b>
<b>FC 16204 – TRAFFIC SIGNAL RE-WARRANTS AND MULTIWAY STOP CONTROL WARRANT STUDIES</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. All warrant studies have been submitted to TxDOT for their review. TxDOT has not provided any comments on the warrant studies that were submitted to them. <b>No Invoice</b>	<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 complete.</b> L&G has followed up with TxDOT on approval of the Traffic Count Projections report. TxDOT has not provided any comments or approval of the report.	<b>L&amp;G</b>	<b>100%</b>

<b>FC 16240 - TRAFFIC SIGNAL RE-WARRANTS AND MULTIWAY STOP CONTROL WARRANT STUDIES / SUB</b>		
<p><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:</p> <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>		
<b>NO UPDATE:</b> C&M has completed their traffic projects and has submitted all data. This task is now complete.	<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>		
<p><b>Supplemental #1 to Work Authorization #1 revises the scope of work to include this scope.</b>  <b>No Invoice/No Update</b>  L&amp;G Engineering has received comments from TxDOT on the schematics which are being addressed as necessary.</p>	<b>L&amp;G</b>	<b>95%</b>
<b>FC 11005 – SCHEMATIC FOR OUTFALLS</b>		
<p><b>No change from prior invoice</b>  L&amp;G has developed preliminary schematics for each of the nine outfalls on 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> </ul>	<b>L&amp;G</b>	<b>98%</b>

<ul style="list-style-type: none"> <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> <li>The outfall schematics were prepared and submitted to TxDOT for use in the virtual public meeting.</li> <li>The schematics are being updated as per comments received from TxDOT.</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>		
<b>Supplemental #1 to Work Authorization #1 revises the scope of work.</b> A Virtual Public Meeting was held on November 3, 2020. The Hydraulic Report has been submitted to the County for submittal to TxDOT.	<b>L&amp;G</b>	<b>95%</b>

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

<b>FC 12007 – ARCHEOLOGICAL AND HISTORICAL RESEARCH</b>		
<b>UPDATE:</b> TxDOT has approved the background study; therefore, L&G is verifying property ownership information and moving forward in obtaining ROE at the intersections where additional ROW is needed to conduct archeological surveys. Additional preliminary field work and research has been conducted to update project information in preparation for completing the survey.	<b>L&amp;G</b>	<b>40%</b>
<b>FC 12070 – ARCHEOLOGICAL AND HISTORICAL RESEARCH / SUB</b>		
<b>NO UPDATE:</b> This task is complete.	<b>L&amp;G</b>	<b>100%</b>

<b>FC 12070 – ARCHEOLOGICAL AND HISTORICAL RESEARCH / SUB</b>		
<b>NO UPDATE:</b> TxDOT has approved the background study report.	<b>AmaTerra</b>	<b>100%</b>

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

Sincerely,



Armando J. Sandoval, P.E.  
Project Manager