

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

**INVOICE#:** 11328880  
**INVOICE DATE:** 2/28/2022

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

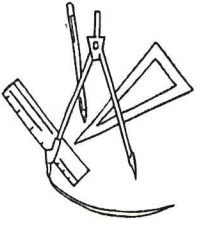
**JOB:** 180501  
Mile 6 Project WA#1  
PO# 784887  
(From: Mile 11 to SH107)

DESCRIPTION	CONTRACT	PREVIOUS APPLICATIONS	CURRENT COMPLETED	TOTAL COMPLETED	% COMPL	BALANCE TO FINISH
<b>Engineering services for the month of February 2022.</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	178,200.00		178,200.00	99.0	1,800.00
11007-Schm Rdwy TxDOT	45,000.00	44,100.00		44,100.00	98.0	900.00
11009-Pr1 ROW Outfall	90,000.00	90,000.00		90,000.00	100.0	-
12001-EA Reports	86,400.00	79,488.00		79,488.00	92.0	6,912.00
12002-Pub Invmnt (PM)	43,200.00	43,200.00		43,200.00	100.0	-
12007-Arch & Hist	10,166.40	6,099.84	813.31	6,913.15	68.0	3,253.25
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	209,940.00		209,940.00	100.0	-
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	8,240.56		8,240.56	100.0	-
16206-Trfc Prjetns	18,288.72	18,288.72		18,288.72	100.0	-
16240-Signl Wrmts/SUB	65,759.44	65,759.44		65,759.44	100.0	-
16260-Trfc Prj/SUB	21,711.28	21,711.28		21,711.28	100.0	-
Sub Total	1,605,850.00	1,588,571.44	813.31	1,589,384.75		16,465.25
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	176,160.60		176,160.60	99.0	1,779.40
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	185,515.11		185,515.11	99.0	1,873.89
Sub Total	0.00	-5,153.29	0.00	-5,153.29		5,153.29
Supplemental #2 to WA#1 - Archeological and Historical will be performed by both L&G Engineering and AmaTerra.						
12007-Arch & Hist	24,474.60	11,013.57		11,013.57	45.0	13,461.03
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	-13,461.03	0.00	-13,461.03		13,461.03
<b>TOTAL:</b>	<b>1,605,850.00</b>	<b>1,569,957.12</b>	<b>813.31</b>	<b>1,570,770.43</b>	<b>97.8</b>	<b>35,079.57</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 \$ 1,570,770.43  
LESS PREVIOUS INVOICES \$ 1,569,957.12  
CURRENT PAYMENT DUE \$ 813.31

PROJECT MANAGER'S SIGNATURE





March 1, 2022

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 2022.

The following is attached:

- L & G's Invoice
- 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.</li> </ul>		
<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> <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.</li> <li>• The schematics are under revision to reflect the improvements identified by the H&amp;H report.</li> </ul>	<b>L&amp;G</b>	<b>99%</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> <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>• L&amp;G has updated the schematics based on the comments that were received from TxDOT.</li> <li>• The schematics are under revision to reflect the improvements identified by the H&amp;H report.</li> </ul>	<b>L&amp;G</b>	<b>99%</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>	<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>  L&amp;G continues to provide regular updates to the County via monthly status update meetings with TxDOT. L&amp;G has resubmitted a revised H&amp;H Report addressing TxDOT comments.  <b>No change from prior invoice.</b></p>	<b>L&amp;G</b>	<b>99%</b>

<b>FC 11007 – UPDATE SCHEMATIC BASED ON COMMENTS AS PROVIDED BY TxDOT / FHWA &amp; EA UPDATE</b>		
<b>No change from prior invoice</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>L&amp;G</b>	<b>98%</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>No change from prior invoice</b> L&G's Environmental Group received comments on the noise analysis technical report and resubmitted the report on 5/19/21. The group continues to prepare the biological report.	<b>L&amp;G</b>	<b>92%</b>
<b>FC 12002 – PUBLIC INVOLVEMENT FOR THE PROJECT WITH STAKEHOLDERS</b>		
<b>This task is complete.</b>	<b>L&amp;G</b>	<b>100%</b>
<b>FC 12007 – ARCHEOLOGICAL AND HISTORICAL RESEARCH</b>		
<b>Update</b> L&G is preparing another round of ROE letters to affected property owners for the upcoming archeological surveys.	<b>L&amp;G</b>	<b>68%</b>
<b>FC 12008 – ENGINEERING TECHNICAL SUPPORT FOR LIMITED PUBLIC INVOLVEMENT</b>		
<b>This task is complete.</b>	<b>L&amp;G</b>	<b>100%</b>
<b>FC 12070 – ARCHEOLOGICAL AND HISTORICAL RESEARCH / SUB</b>		
<b>This task is complete.</b>	<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. This task is complete.</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. This task is complete.</b>	<b>L&amp;G</b>	<b>100%</b>

<b>FC 15070 - SUB-SURFACE UTILITY ENGINEERING (SUE) 25 POT HOLES / MILE (ROADWAY AND OUTFALLS) / SUB</b>		
<b>This task is complete.</b>	<b>QUINTANILLA</b>	<b>100%</b>
<b>FC 15080 - FIELD SURVEYS FOR DESIGN AND CONSTRUCTION OF ROADWAY AND 9 OUTFALLS / SUB</b>		
<b>This task is complete.</b>	<b>QUINTANILLA</b>	<b>100%</b>
<b>FC 16101 – HYDROLOGICAL MAP FOR OUTFALL DRAIN DITCHES (OUTFALL AND CAPACITIES)</b>		
<b>No change from prior invoice</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. L&G has addressed TxDOT comments on the H&H report and have resubmitted for approval.	<b>L&amp;G</b>	<b>100%</b>
<b>FC 16204 – TRAFFIC SIGNAL RE-WARRANTS AND MULTIWAY STOP CONTROL WARRANT STUDIES</b>		
<b>This task is complete.</b>	<b>L&amp;G</b>	<b>100%</b>
<b>FC 16206 – TRAFFIC COUNT PROJECTIONS FOR 20-YRS FOR SCHEMATICS</b>		
<b>This task is 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>This task is complete.</b>	<b>ETSI</b>	<b>100%</b>
<b>FC 16260 - TRAFFIC COUNT AND MODELING PROJECTIONS FOR 20-YRS FOR SCHEMATICS / SUB</b>		
<b>This task is complete.</b>	<b>C&amp;M</b>	<b>100%</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 Engineering has received comments from TxDOT on the schematics which are being addressed as necessary.	<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>No change from prior invoice</b> TxDOT has approved the background study. L&G is waiting for TxDOT approval of the hydrologic report before proceeding with the archeological survey and ROE of properties.	<b>L&amp;G</b>	<b>45%</b>
<b>FC 12070 – ARCHEOLOGICAL AND HISTORICAL RESEARCH / SUB</b>		
<b>This task is complete.</b>	<b>L&amp;G</b>	<b>100%</b>
<b>FC 12070 – ARCHEOLOGICAL AND HISTORICAL RESEARCH / SUB</b>		
<b>No change from prior invoice</b> TxDOT has approved the background study report. This task is complete.	<b>AmaTerra</b>	<b>100%</b>

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

Sincerely,

  
Jordan Sinclair, P.E.  
Project Manager

Attachments

PROJECT DEVELOPMENT SCHEDULE  
 MILE 6 W  
 (FROM SH 107 TO MILE 11 N)  
 CSJ: 0921-02-286

TASK AND DESCRIPTION	2020		2021		2022		2023		2024		2025	
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Finalize Agreements w/ TPOOT												
RE: PHASE 1 ROW Acquisition												
NOVA & MIRA AEA (SH 107 to Mile 11 N)												
Construction & CEQA/SEA (SH 107 to Mile 11 (2 N))												
Phase 1, Schematic & Environmental Re-Evaluation												
Public Involvement (PH 107 to Mile 11 N)												
TPOOT Approval to Proceed												
Conduct Virtual Public Meeting												
Design Survey												
Topographic Survey												
Hydrology Survey												
Design Survey												
TPOOT Review & Revision												
Traffic Projections Approval												
Final Environmental Approval												
MM Report												
Update Schematic												
Hydrology Map												
TPOOT Review & Revision												
TPOOT Approval												
Updated Schematic Approval												
Updated Schematic Approval												
Environmental Re-Evaluation (PH 107 to Mile 11 N)												
NOVA & MIRA AEA (SH 107 to Mile 11 N)												
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