

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

**INVOICE#:** 11328991  
**INVOICE DATE:** 5/31/2022

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

**JOB: 180701**  
Mile 10 Project - WA#1  
PO#796083  
(From: Mile 6 to FM 1015)

DESCRIPTION	CONTRACT	PREVIOUS APPLICATIONS	CURRENT COMPLETED	TOTAL COMPLETED	% COMPL	BALANCE TO FINISH
Engineering services for the month of May 2022.						
Work Authorization #1 - Engineering services required for the completion of the Environmental Document, Public Involvement and Schematic Design.						
10201-Project Coordination	45,000.00	45,000.00		45,000.00	100.0	-
11002-Schematic Roadway Outfalls	236,640.00	234,273.60	2,366.40	236,640.00	100.0	-
11005-Preliminary Compensable Utilities	54,000.00	53,460.00	540.00	54,000.00	100.0	-
11007-Prel. Ownership Roadway	70,000.00	70,000.00		70,000.00	100.0	-
11008-Schematic update TxDOT/FHWA	30,000.00	15,000.00		15,000.00	50.0	15,000.00
11009-Prel. Ownership Outfalls	35,000.00	35,000.00		35,000.00	100.0	-
11011-Traffic Data as per TxDOT	18,288.72	18,288.72		18,288.72	100.0	-
11012-Intersection Layouts	65,000.00	64,350.00	650.00	65,000.00	100.0	-
110110-Traffic Data as Per TxDOT	21,711.28	21,711.28		21,711.28	100.0	-
12002-Public Involvement (PM)	67,200.00	51,744.00		51,744.00	77.0	15,456.00
12003-Public Involvement (PH)	27,000.00			0.00	0.0	27,000.00
12006-Environmental Document with TxDOT	135,000.00	66,150.00		66,150.00	49.0	68,850.00
12007-Archeological & Historical	12,000.00	4,200.00		4,200.00	35.0	7,800.00
12008-Eng/Public Meeting	31,500.00	20,790.00		20,790.00	66.0	10,710.00
12009-Eng/Public Hearing	22,500.00			0.00	0.0	22,500.00
12070-Archeological & Historical/SUB	18,000.00			0.00	0.0	18,000.00
15005-Field Surveys Outfalls	57,345.82	45,876.66		45,876.66	80.0	11,469.16
15006-Field Surveys Roadway	38,909.00	33,072.65		33,072.65	85.0	5,836.35
15007-Sub Surface Utilities	35,719.70	22,503.41		22,503.41	63.0	13,216.29
15050-Field Surveys Outfalls/SUB	20,836.00	15,627.00		15,627.00	75.0	5,209.00
15060-Field Surveys Roadway/SUB	135,091.00	106,818.00		106,818.00	79.1	28,273.00
15070-Sub Surface Utilities/SUB	50,000.00	17,500.00		17,500.00	35.0	32,500.00
16101-Hydrological Map	90,000.00	88,200.00	1,800.00	90,000.00	100.0	-
16204-Traffic Signal Warrants	2,038.53	2,038.53		2,038.53	100.0	-
16240-Traffic Signal Warrants/SUB	51,961.47	51,961.47		51,961.47	100.0	-
Sub Total	1,370,741.52	1,083,565.32	5,356.40	1,088,921.72		281,819.80

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

**INVOICE#: 11328991**  
**INVOICE DATE: 5/31/2022**

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

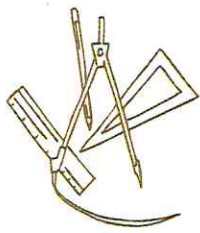
**JOB: 180701**  
Mile 10 Project - WA#1  
PO#796083  
(From: Mile 6 to FM 1015)

DESCRIPTION	CONTRACT	PREVIOUS APPLICATIONS	CURRENT COMPLETED	TOTAL COMPLETED	% COMPL	BALANCE TO FINISH
Supplemental #1 to Work Authorization #1 - Include costs associated with Capacity and Level Service Analysis						
15008-Capacity & Level Analysis	19,094.59	18,139.86		18,139.86	95.0	954.73
15080-Capacity & Level Analysis/SUB	36,905.41	35,060.13		35,060.13	95.0	1,845.28
Sub Total	56,000.00	53,199.99	0.00	53,199.99		2,800.01
<b>TOTAL:</b>	<u>1,426,741.52</u>	<u>1,136,765.31</u>	<u>5,356.40</u>	<u>1,142,121.71</u>	80.1	<u>284,619.81</u>

ORIGINAL CONTRACT SUM	\$ 1,370,741.52
CHANGE BY CHANGE ORDER	\$ 56,000.00
CONTRACT SUM TO DATE	\$ 1,426,741.52
TOTAL COMPLETED TO DATE	\$ 1,142,121.71
LESS PREVIOUS INVOICES	\$ 1,136,765.31
<b>CURRENT PAYMENT DUE</b>	<b>\$ 5,356.40</b>

  
\_\_\_\_\_  
PROJECT MANAGER'S SIGNATURE





June 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 10 Project – WA#1**  
**Limits: Mile 6 to FM 1015**  
**PO#796083 - L&G Project#180701**

Dear Commissioner Fuentes:

We are submitting a monthly progress report in sufficient detail to support the progress of the work and request for payment. Attached for your approval is our invoice for services rendered during this billing period.

The following is attached:

- L&G's Invoice
- Exhibit C – Work Schedule

**Work Authorization#1 – Engineering services required for the completion of the Environmental Document, Public Involvement and Schematic Design**

		% Complete
<b>FC 10200 – DETERMINE OF LOCAL COST vs STATE COST and AGREEMENTS/AFA WITH TxDOT/LPA COORDINATION</b>		
An updated Mile 10 AFA has been executed by the County. <b>This task is now complete.</b>	<b>L&amp;G</b>	<b>100%</b>
<b>FC 11002 – SCHEMATIC FOR ROADWAY &amp; OUTFALLS</b>		
<b>Update:</b> L&G has prepared schematics for an environmental scoping meeting held September 9 <sup>th</sup> , 2021 and a Pre-DCC held October 4 <sup>th</sup> , 2021. Comments from these meetings were evaluated and revised typical sections sent to TxDOT for approval. L&G incorporated the approved typical sections into the schematic and submitted to TxDOT in preparation for a Design Concept Conference to be held June 10, 2022, and Public Meeting to be scheduled by TxDOT.	<b>L&amp;G</b>	<b>100%</b>
<b>FC 11005 – PRELIMINARY COMPENSABLE UTILITIES IDENTIFICATION ON SCHEMATIC (ROADWAY AND OUTFALLS)</b>		

<p><b>Update:</b> L&amp;G has been coordinating with our surveyor to tie down compensable utilities along the roadway and outfalls. SUE data collected is shown on the schematic. Irrigation and High voltage transmission lines have been identified and called out on the schematics accordingly. Field visits were made to the project and pictures were taken of the visible utilities located on the project. Letters were sent to the utilities to inform them of the project and to request any additional information they may have for their lines. The gas company provided information on the location of their crossings. L&amp;G has coordinated with City of Weslaco for water and sewer within the project limits and has incorporated info into the schematics. L&amp;G has coordinated with HCCID9 to identify/confirm property interest along the project corridor. A coordination meeting with HCCID9 was held October 12<sup>th</sup>, 2021 to discuss proposed irrigation line / easement considerations. A letter was sent to HCCID9 on May 10, 2022 requesting an irrigation line and property interest be eliminated between Mile 6 and FM 88. L&amp;G has coordinated with Texas Gas and determined their gas line crossing is located within FM88 ROW (permitted line).</p>	L&G	100%
<p><b>FC 11007 – OFFICE SURVEYS FOR SCHEMATIC (PREL. OWNERSHIP IDENTIFICATION AND PROPERTY RIGHTS) ROADWAY</b></p>		
<p><b>This task is now complete.</b></p>	L&G	100%
<p><b>FC 11008 – UPDATE SCHEMATIC BASED ON COMMENTS AS PROVIDED BY TxDOT / FHWA</b></p>		
<p>All design and computer files have been generated to fit TxDOT design requirements. <b>No change from prior invoice.</b></p>	L&G	50%
<p><b>FC 11009 – OFFICE SURVEYS FOR SCHEMATIC (PREL. OWNERSHIP IDENTIFICATION AND PROPERTY RIGHTS) 1.5 MILES OF OUTFALLS</b></p>		
<p><b>This task is complete.</b></p>	L&G	100%
<p><b>FC 11011 – TRAFFIC DATA REQUEST AS PER TxDOT DIRECTIVE</b></p>		
<p><b>This task is complete.</b></p>	L&G	100%
<p><b>FC 11012 – SCHEMATIC LAYOUT FOR INTERSECTION LAYOUTS (MILE 5 ½, FM 88 Mile 4 ½, Mile 4, Mile 3 ½, FM 1015</b></p>		
<p><b>Update:</b> Intersection Layouts have been updated using the latest TIN, TOPO, and ROW. Per TxDOT comments from the Environmental Scoping meeting, alternative typical sections incorporating new TxDOT guidance on bicycle facilities have been evaluated. L&amp;G has revised intersection design to accommodate shared-use path facilities. Schematic has been submitted to TxDOT in preparation for Public Meeting.</p>	L&G	100%
<p><b>FC 110110 - TRAFFIC DATA REQUEST AS PER TxDOT DIRECTIVE</b></p>		
<p><b>This task is now complete.</b></p>	C&M	100%

<b>FC 12002 – PUBLIC INVOLVEMENT FOR THE PROJECT WITH STAKEHOLDERS AND 1 PUBLIC MEETING</b>		
The Env group is updating the public involvement documentation packet, draft PowerPoint presentation and notices with the final changes from the schematic in anticipation of the upcoming public meeting with TxDOT as well as update the property owner and public official’s mailing list. <b>No change from prior invoice.</b>	<b>L&amp;G</b>	<b>77%</b>
<b>FC 12003 – EITHER ADDRESS THE PUBLIC OR HOLD 1 PUBLIC HEARING</b>		
<b>This task has not begun.</b>	<b>L&amp;G</b>	<b>0%</b>
<b>FC 12006 – ENVIRONMENTAL DOCUMENT WITH TxDOT</b>		
L&G is updating the scoping documents and fact sheets to the latest information provided by the engineering group and is preparing technical reports. <b>No change from prior invoice.</b>	<b>L&amp;G</b>	<b>49%</b>
<b>FC 12007 - ARCHEOLOGICAL AND HISTORICAL RESEARCH</b>		
L&G is preparing right-of-entry letters to affected property owners for upcoming archeological surveys. <b>No change from prior invoice.</b>	<b>L&amp;G</b>	<b>35%</b>
<b>FC 12008 – ENGINEERING TECHNICAL SUPPORT AT PUBLIC MEETINGS WITH LAYOUTS etc.</b>		
L&G updated the schematic, proposed typical sections and hydrologic map in preparation for the upcoming public meeting. <b>No change from prior invoice.</b>	<b>L&amp;G</b>	<b>66%</b>
<b>FC 12009 – ENGINEERING TECHNICAL SUPPORT TO ADDRESS PUBLIC HEARING WITH LAYOUTS etc.</b>		
<b>This task has not begun</b>	<b>L&amp;G</b>	<b>0%</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 15005 – FIELD SURVEYS FOR DESIGN AND CONSTRUCTION OF OUTFALLS</b>		
L&G has received and reviewed approx. 80% of survey work for the outfalls. Comments were generated and provided to ROWSS for updating. <b>No change from prior invoice.</b>	<b>L&amp;G</b>	<b>80%</b>
<b>FC 15006 – FIELD SURVEYS FOR DESIGN AND CONSTRUCTION OF ROADWAY</b>		
L&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. L&G has reviewed all survey work completed to date for accuracy. <b>No change from prior invoice.</b>	<b>L&amp;G</b>	<b>85%</b>

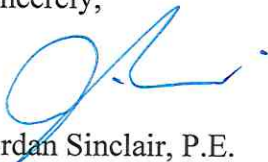
<b>FC 15007 – SUB-SURFACE UTILITY ENGINEERING (SUE) 25 POT HOLES / MILE</b>		
Coordination with the surveyor continues so that we can complete the SUE data collection. Critical utilities along the project corridor were identified by L&G and provided to the Surveyor for SUE – Level A. L&G continues to update schematic with latest utility info as it is received. <b>No change from prior invoice.</b>	<b>L&amp;G</b>	<b>63%</b>
<b>FC 15050 - FIELD SURVEYS FOR DESIGN AND CONSTRUCTION OF OUTFALLS / SUB</b>		
ROWSS (sub) has completed approx. 75% of survey for Outfalls 1 and 4. <b>No change from prior invoice.</b>	<b>ROWSS</b>	<b>75%</b>
<b>FC 15060 - FIELD SURVEYS FOR DESIGN AND CONSTRUCTION OF ROADWAY / SUB</b>		
ROWSS (sub) has performed the following to date: <ul style="list-style-type: none"> <li>• Establishing primary and secondary control</li> <li>• Completed BM's throughout the project. Has provided Vertical Control sheets</li> <li>• Has recovered existing ROW</li> <li>• Has recovered existing centerline of roadway.</li> <li>• Has collected approx. 80% of topo and DTM.</li> </ul> <b>No change from prior invoice.</b>	<b>ROWSS</b>	<b>79.1%</b>
<b>FC 15070 - SUB-SURFACE UTILITY ENGINEERING (SUE) 25 POT HOLES / MILE / SUB</b>		
Hydro excavation of 35 holes has been completed. Electronic data has been updated in DGN format in preparation for submittal to L&G Engineering. We continue to advance the SUE process. <b>No change from prior invoice.</b>	<b>ROWSS</b>	<b>35%</b>
<b>FC 16101 – HYDROLOGICAL MAP FOR 4 OUTFALL DRAIN DITCHES (OUTFALL AND CAPACITIES)</b>		
<b>Update:</b> A Hydraulic Report has been completed. It has been updated for comments that were received from TxDOT on a similar project (Mile 6 W). L&G has submitted the map and signed and sealed report to TxDOT in preparation for a Design Concept Conference and Public Meeting.	<b>L&amp;G</b>	<b>100%</b>
<b>FC 16204 – TRAFFIC SIGNAL WARRANTS (6 LOCATIONS)</b>		
<b>This task is now complete.</b>	<b>L&amp;G</b>	<b>100%</b>
<b>FC 16240 – TRAFFIC SIGNAL WARRANTS (6 LOCATIONS) / SUB</b>		
<b>This task is now complete.</b>	<b>ETSI</b>	<b>100%</b>

**Supplemental #1 to Work Authorization #1 – To include costs associated with Capacity and Level Service Analysis**

		<b>% Complete</b>
<b>FC 15008 – CAPACITY &amp; LEVEL ANALYSIS</b>		
L&G has compiled and provided pertinent project related data necessary for LOS Analysis such as traffic projects, surrounding project area development information, and schematic. A draft LOS report summarizing findings, addressing existing and proposed alternative conditions, and capacity and access management improvement recommendations has been reviewed. L&G has provided comments and recommendations to ETSI on the draft LOS report. L&G has included the LOS report in the final schematic submittal. Upon TxDOT review and approval, this task will be complete. <b>No change from prior invoice.</b>	<b>L&amp;G</b>	<b>95%</b>
<b>FC 15080 – CAPACITY &amp; LEVEL ANALYSIS / SUB</b>		
ETSI has substantially completed collection and review of pertinent project related data and conducted field reconnaissance. ETSI has assessed traffic projections and trip generation, and has developed existing conditions and alternative scenarios using the SYNCHRO platform. A draft report was developed for L&G review and comment that provides capacity and access management improvement recommendations. ETSI has completed the LOS report to be included in the final schematic submittal. Upon TxDOT review and approval, this task will be complete. <b>No change from prior invoice.</b>	<b>ETSI</b>	<b>95%</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