

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

INVOICE#: 11329032
INVOICE DATE: 7/31/2022

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 July 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	236,640.00		236,640.00	100.0	-
11005-Preliminary Compensable Utilities	54,000.00	54,000.00		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	1,500.00	16,500.00	55.0	13,500.00
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	65,000.00		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	2,016.00	53,760.00	80.0	13,440.00
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	1,260.00	22,050.00	70.0	9,450.00
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	90,000.00		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	1,088,921.72	4,776.00	1,093,697.72		277,043.80

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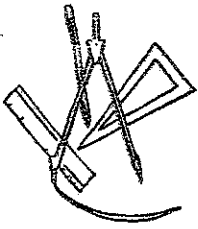
JOB: 180701
Mile 10 Project - WA#1
PO#796083
(From: Mile 6 to FM 1015)

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
TOTAL:	<u>1,426,741.52</u>	<u>1,142,121.71</u>	<u>4,776.00</u>	<u>1,146,897.71</u>	80.4	<u>279,843.81</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	\$	1,146,897.71
LESS PREVIOUS INVOICES	\$	1,142,121.71
CURRENT PAYMENT DUE	\$	<u>4,776.00</u>



PROJECT MANAGER'S SIGNATURE



L&G Consulting Engineers, Inc.

August 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
FC 10200 – DETERMINE OF LOCAL COST vs STATE COST and AGREEMENTS/AFA WITH TxDOT/LPA COORDINATION		
This task is now complete.	L&G	100%
FC 11002 – SCHEMATIC FOR ROADWAY & OUTFALLS		
This task is now complete.	L&G	100%
FC 11005 – PRELIMINARY COMPENSABLE UTILITIES IDENTIFICATION ON SCHEMATIC (ROADWAY AND OUTFALLS)		
This task is now complete.	L&G	100%
FC 11007 – OFFICE SURVEYS FOR SCHEMATIC (PREL. OWNERSHIP IDENTIFICATION AND PROPERTY RIGHTS) ROADWAY		
This task is now complete.	L&G	100%

FC 11008 – UPDATE SCHEMATIC BASED ON COMMENTS AS PROVIDED BY TxDOT / FHWA		
UPDATE: L&G submitted the roadway and outfall schematics in preparation for a DCC held June 10, 2022 and Public Meeting to be scheduled by TxDOT. TxDOT comments were received July 15, 2022 and are being incorporated into the schematic.	L&G	55%
FC 11009 – OFFICE SURVEYS FOR SCHEMATIC (PREL. OWNERSHIP IDENTIFICATION AND PROPERTY RIGHTS) 1.5 MILES OF OUTFALLS		
This task is complete.	L&G	100%
FC 11011 – TRAFFIC DATA REQUEST AS PER TxDOT DIRECTIVE		
This task is complete.	L&G	100%
FC 11012 – SCHEMATIC LAYOUT FOR INTERSECTION LAYOUTS (MILE 5 ½, FM 88 Mile 4 ½, Mile 4, Mile 3 ½, FM 1015		
This task is now complete.	L&G	100%
FC 110110 - TRAFFIC DATA REQUEST AS PER TxDOT DIRECTIVE		
This task is now complete.	C&M	100%
FC 12002 – PUBLIC INVOLVEMENT FOR THE PROJECT WITH STAKEHOLDERS AND 1 PUBLIC MEETING		
UPDATE: L&G has updated the public involvement notices to reflect a change to an In-Person public meeting and changed the draft PowerPoint presentation. L&G has prepared the agenda packet handouts in preparation for the upcoming public meeting and continues to update the property owner and public official's mailing list.	L&G	80%
FC 12003 – EITHER ADDRESS THE PUBLIC OR HOLD 1 PUBLIC HEARING		
This task has not begun.	L&G	0%
FC 12006 – ENVIRONMENTAL DOCUMENT WITH TxDOT		
L&G is updating the scoping documents and fact sheets to the latest information provided by the engineering group and is preparing technical reports. No change from prior invoice.	L&G	49%
FC 12007 - ARCHEOLOGICAL AND HISTORICAL RESEARCH		
L&G is preparing right-of-entry letters to affected property owners for upcoming archeological surveys. No change from prior invoice.	L&G	35%

FC 12008 – ENGINEERING TECHNICAL SUPPORT AT PUBLIC MEETINGS WITH LAYOUTS etc.		
UPDATE: L&G continues to prepare public meeting exhibits for the upcoming In-Person Public Meeting.	L&G	70%
FC 12009 – ENGINEERING TECHNICAL SUPPORT TO ADDRESS PUBLIC HEARING WITH LAYOUTS etc.		
This task has not begun	L&G	0%
FC 12070 – ARCHEOLOGICAL AND HISTORICAL RESEARCH / SUB		
This task has not begun	AmaTerra	0%
FC 15005 – FIELD SURVEYS FOR DESIGN AND CONSTRUCTION OF OUTFALLS		
L&G has received and reviewed approx. 80% of survey work for the outfalls. Comments were generated and provided to ROWSS for updating. No change from prior invoice.	L&G	80%
FC 15006 – FIELD SURVEYS FOR DESIGN AND CONSTRUCTION OF ROADWAY		
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. No change from prior invoice.	L&G	85%
FC 15007 – SUB-SURFACE UTILITY ENGINEERING (SUE) 25 POT HOLES / MILE		
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. No change from prior invoice.	L&G	63%
FC 15050 - FIELD SURVEYS FOR DESIGN AND CONSTRUCTION OF OUTFALLS / SUB		
ROWSS (sub) has completed approx. 75% of survey for Outfalls 1 and 4. No change from prior invoice.	ROWSS	75%
FC 15060 - FIELD SURVEYS FOR DESIGN AND CONSTRUCTION OF ROADWAY / SUB		
ROWSS (sub) has performed the following to date: <ul style="list-style-type: none"> • Establishing primary and secondary control • Completed BM's throughout the project. Has provided Vertical Control sheets • Has recovered existing ROW 	ROWSS	79.1%

<ul style="list-style-type: none"> • Has recovered existing centerline of roadway. • Has collected approx. 80% of topo and DTM. No change from prior invoice.		
FC 15070 - SUB-SURFACE UTILITY ENGINEERING (SUE) 25 POT HOLES / MILE / SUB		
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. No change from prior invoice.	ROWSS	35%
FC 16101 – HYDROLOGICAL MAP FOR 4 OUTFALL DRAIN DITCHES (OUTFALL AND CAPACITIES)		
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 held June 10, 2022 and Public Meeting to be scheduled by TxDOT. This task is now complete.	L&G	100%
FC 16204 – TRAFFIC SIGNAL WARRANTS (6 LOCATIONS)		
This task is now complete.	L&G	100%
FC 16240 – TRAFFIC SIGNAL WARRANTS (6 LOCATIONS) / SUB		
This task is now complete.	ETSI	100%

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

		% Complete
FC 15008 – CAPACITY & LEVEL ANALYSIS		
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. No change from prior invoice.	L&G	95%
FC 15080 – CAPACITY & LEVEL ANALYSIS / SUB		
ETSI has substantially completed collection and review of pertinent project related data and conducted field reconnaissance. ETSI has assessed traffic	ETSI	95%

<p>projections and trip generation, and has developed existing conditions and alternative scenarios using the SYNCHRO platform. A draft report was been 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.</p> <p>No change from prior invoice.</p>		
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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

PROJECT DEVELOPMENT SCHEDULE
MILE 16 N (CSA 0911-02-360)
 From Mile 6 W To FM 1015
 Length = 3.0 miles

TASK AND DESCRIPTION	2019		2020		2021		2022		2023		2024		2025		2026	
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
PHASE I - PRELIMINARY WORK																
1.01 PRELIMINARY DESIGN																
1.02 PRELIMINARY BIDDING																
1.03 PRELIMINARY CONSTRUCTION																
1.04 PRELIMINARY OPERATIONS																
PHASE II - MAINLINE WORK																
2.01 MAINLINE DESIGN																
2.02 MAINLINE BIDDING																
2.03 MAINLINE CONSTRUCTION																
2.04 MAINLINE OPERATIONS																
PHASE III - FINISH WORK																
3.01 FINISH DESIGN																
3.02 FINISH BIDDING																
3.03 FINISH CONSTRUCTION																
3.04 FINISH OPERATIONS																

*Phase Schedules assumed project will be moved from FY2022 to FY2026
 LEO JUNCTION
 HEMLOCK COUNTY JUNCTION
 OFFICES