



L&G Consulting Engineers, Inc.

December 1, 2023

Hon. David Fuentes
Hidalgo County Commissioner, Pct. #1
Attn: 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 the month of November 2023.

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 complete.	L&G	100%
FC 11002 – SCHEMATIC FOR ROADWAY & OUTFALLS		
This task is complete.	L&G	100%
FC 11005 – PRELIMINARY COMPENSABLE UTILITIES IDENTIFICATION ON SCHEMATIC (ROADWAY AND OUTFALLS)		
This task is complete.	L&G	100%
FC 11007 – OFFICE SURVEYS FOR SCHEMATIC (PREL. OWNERSHIP IDENTIFICATION AND PROPERTY RIGHTS) ROADWAY		
This task is complete.	L&G	100%

FC 11008 – UPDATE SCHEMATIC BASED ON COMMENTS AS PROVIDED BY TxDOT / FHWA		
L&G submitted the roadway and outfall schematics to TxDOT for the October 2022 public meeting. No public comments requiring schematic revision have been received to date. Pending TxDOT/FHWA comments and/or approval. No change from prior invoice.	L&G	75%
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 complete.	L&G	100%
FC 110110 - TRAFFIC DATA REQUEST AS PER TxDOT DIRECTIVE		
This task is complete.	C&M	100%
FC 12002 – PUBLIC INVOLVEMENT FOR THE PROJECT WITH STAKEHOLDERS AND 1 PUBLIC MEETING		
This task is complete.	L&G	100%
FC 12003 – EITHER ADDRESS THE PUBLIC OR HOLD 1 PUBLIC HEARING		
UPDATE: L&G continues to update the mailing list in anticipation of the next phase of public involvement and has prepared the Notice Affording an Opportunity for a Public Hearing in anticipation of approval of all documents and proceed to the next phase of public involvement.	L&G	75%
FC 12006 – ENVIRONMENTAL DOCUMENT WITH TxDOT		
All technical reports have been submitted. No change from prior invoice.	L&G	98%
FC 12007 - ARCHEOLOGICAL AND HISTORICAL RESEARCH		
This task is complete.	L&G	100%
FC 12008 – ENGINEERING TECHNICAL SUPPORT AT PUBLIC MEETINGS WITH LAYOUTS etc.		
This task is complete.	L&G	100%
FC 12009 – ENGINEERING TECHNICAL SUPPORT TO ADDRESS PUBLIC HEARING WITH LAYOUTS etc.		
UPDATE: L&G continues to prepare exhibits and schematics in anticipation of the next phase of public involvement.	L&G	75%
FC 12070 – ARCHEOLOGICAL AND HISTORICAL RESEARCH / SUB		
This task is complete.	AmaTerra	100%

FC 15005 – FIELD SURVEYS FOR DESIGN AND CONSTRUCTION OF OUTFALLS		
This task is complete.	L&G	100%
FC 15006 – FIELD SURVEYS FOR DESIGN AND CONSTRUCTION OF ROADWAY		
This task is complete.	L&G	100%
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 has reviewed the SUE – Level A information provided to date for completeness and incorporated the information into the schematic design. No change from prior invoice.	L&G	90%
FC 15050 - FIELD SURVEYS FOR DESIGN AND CONSTRUCTION OF OUTFALLS / SUB		
This task is complete.	ROWSS	100%
FC 15060 - FIELD SURVEYS FOR DESIGN AND CONSTRUCTION OF ROADWAY / SUB		
ROWSS (sub) has completed the field surveys to include: <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 and centerline of roadway • Has collected all topo and DTM. No change from prior invoice.	ROWSS	97.8%
FC 15070 - SUB-SURFACE UTILITY ENGINEERING (SUE) 25 POT HOLES / MILE / SUB		
Hydro excavation of 82 holes has been completed and SUE Level-A data sheets have been submitted to L&G Engineering. No change from prior invoice.	ROWSS	82%
FC 16101 – HYDROLOGICAL MAP FOR 4 OUTFALL DRAIN DITCHES (OUTFALL AND CAPACITIES)		
This task is complete.	L&G	100%
FC 16204 – TRAFFIC SIGNAL WARRANTS (6 LOCATIONS)		
This task is complete.	L&G	100%
FC 16240 – TRAFFIC SIGNAL WARRANTS (6 LOCATIONS) / SUB		
This task is complete.	ETSI	100%

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

		% Complete
FC 15008 – CAPACITY & LEVEL OF SERVICE 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. A revised report and comment-response form was submitted to TxDOT in February 2023. L&G continues to address TxDOT questions as received. A comment clarification meeting was held April 2023 with TxDOT / TPP. A signed and sealed report was submitted to TxDOT in August 2023 for approval. Upon TxDOT approval, this task will be complete. No change from prior invoice.	L&G	95%
FC 15080 – CAPACITY & LEVEL OF SERVICE ANALYSIS / SUB		
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. A revised report and comment-response form was submitted to TxDOT in February 2023. The final report addressing TxDOT comments has been completed. Upon TxDOT approval, this task will be complete. No change from prior invoice.	ETSI	95%

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

Sincerely,



Jordan B. Sinclair, P.E.
Project Manager

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

INVOICE#: 11329606
INVOICE DATE: 11/30/2023

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 November 2023.						
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	22,500.00		22,500.00	75.0	7,500.00
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	67,200.00		67,200.00	100.0	-
12003-Public Involvement (PH)	27,000.00	18,900.00	1,350.00	20,250.00	75.0	6,750.00
12006-Environmental Document with TxDOT	135,000.00	132,300.00		132,300.00	98.0	2,700.00
12007-Archeological & Historical	12,000.00	12,000.00		12,000.00	100.0	-
12008-Eng/Public Meeting	31,500.00	31,500.00		31,500.00	100.0	-
12009-Eng/Public Hearing	22,500.00	15,750.00	1,125.00	16,875.00	75.0	5,625.00
12070-Archeological & Historical/SUB	18,000.00	18,000.00		18,000.00	100.0	-
15005-Field Surveys Outfalls	57,345.82	57,345.82		57,345.82	100.0	-
15006-Field Surveys Roadway	38,909.00	38,909.00		38,909.00	100.0	-
15007-Sub Surface Utilities	35,719.70	32,147.73		32,147.73	90.0	3,571.97
15050-Field Surveys Outfalls/SUB	20,836.00	20,836.00		20,836.00	100.0	-
15060-Field Surveys Roadway/SUB	135,091.00	132,123.00		132,123.00	97.8	2,968.00
15070-Sub Surface Utilities/SUB	50,000.00	41,000.00		41,000.00	82.0	9,000.00
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	1,330,151.55	2,475.00	1,332,626.55		38,114.97

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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>1,383,351.54</u>	<u>2,475.00</u>	<u>1,385,826.54</u>	97.1	<u>40,914.98</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	\$ 1,385,826.54
LESS PREVIOUS INVOICES	\$ 1,383,351.54
CURRENT PAYMENT DUE	<u>\$ 2,475.00</u>



PROJECT MANAGER'S SIGNATURE

PROJECT DEVELOPMENT SCHEDULE
MILE 10 N (CSJ: 0921-02-360)
From Mile 6 W To FM 1015
Length = 3.0 miles

TASK AND DESCRIPTION	FIRM	2019 - 2020		2021				2022												2023												2024												2025				2026			
		Q1	Q2	Q3	Q4	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
FUNDING AGREEMENT w/ TxDOT																																																			
AFA	TxDOT		1-Aug-20																																																
AFA (Amendment 1)	TxDOT																																																		
Phase I: Schematic & Environmental																																																			
SCHEMATIC																																																			
Traffic Projections	L&G/C&M		Jun-19																																																
Traffic Projections Update by TxDOT	TxDOT																																																		
Traffic Warrant Study	L&G/ETSI			Jun-21																																															
Design Level of Service Analysis (DRAFT)	L&G/ETSI																																																		
Draft Level of Service Review by TxDOT	TxDOT																																																		
Design Level of Service Analysis (REV. 1)	L&G/ETSI																																																		
Draft Level of Service Review by TxDOT	TxDOT																																																		
Design Level of Service Analysis (FINAL)	L&G/ETSI																																																		
Level of Service Approval by TxDOT	TxDOT																																																		
H&H Report & Hydrologic Map	L&G																																																		
H&H Review by TxDOT (District Review)	TxDOT																																																		
H&H Report Addressing District Comments (REV. 1)	L&G																																																		
H&H Review by TxDOT (3rd-Party Review)	TxDOT																																																		
H&H Report Addressing 3rd-Party Reviewer Comments (REV. 2)	L&G																																																		
H&H Report Approval by TxDOT	TxDOT																																																		
Develop Roadway & Outfall Schematics	L&G																																																		
Revise Outfall 1 Schematic	L&G																																																		
Public Meeting	L&G																																																		
ENVIRONMENTAL																																																			
Submit Technical Reports	L&G																																																		
Agency Coordination	TxDOT																																																		
Afford Opportunity for Public Hearing	L&G																																																		
Categorical Exclusion	TxDOT																																																		
Phase II: PS&E, Surveys, and ROW Mapping																																																			
PS&E																																																			
Design Survey	L&G																																																		
Outfall Coordination with HCDD #1	L&G																																																		
Geotechnical & Pavement Design	L&G																																																		
30% PS&E Completion	L&G																																																		
60% PS&E Completion	L&G																																																		
90% PS&E Completion	L&G																																																		
95% PS&E Completion	L&G																																																		
100% PS&E Completion	L&G																																																		
TxDOT Plan Set Approval	TxDOT																																																		
ROW Map																																																			
Prepare ROW Map	L&G																																																		
TxDOT Review & ROWIS Programming	TxDOT																																																		
Phase III: ROW Acq. & Comp. Util. Management																																																			
Compensable Utilities																																																			
Compensable Utility Coordination	L&G																																																		
ROW Acquisition (Roadway Only) (72 parcels + 22 Easements)																																																			
Project Administration	L&G																																																		
Title Commitments	L&G																																																		
Appraisal Reports	L&G																																																		
Appraisal Review Reports	L&G																																																		
Compensable Utility Oversight	L&G																																																		
Acquisition Negotiation Offers	L&G																																																		
Title Curative Process	L&G																																																		