

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

INVOICE#: 11328882
INVOICE DATE: 2/28/2022

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 Febraury 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		234,273.60	99.0	2,366.40
11005-Preliminary Compensable Utilities	54,000.00	53,460.00		53,460.00	99.0	540.00
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		64,350.00	99.0	650.00
110110-Traffic Data as Per TxDOT	21,711.28	21,711.28		21,711.28	100.0	-
12002-Public Involvement (PM)	67,200.00	48,384.00		48,384.00	72.0	18,816.00
12003-Public Involvemnt (PH)	27,000.00			0.00	0.0	27,000.00
12006-Environmental Document with TxDOT	135,000.00	59,400.00	6,750.00	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	19,845.00		19,845.00	63.0	11,655.00
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		88,200.00	98.0	1,800.00
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	1,072,510.32	6,750.00	1,079,260.32		291,481.20

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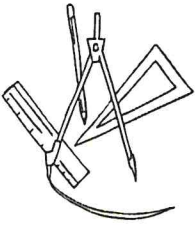
BILL TO: 34
 Hidalgo County Pct. #1
 902 Joe Stephens
 Weslaco, TX 78599

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	14,320.94		14,320.94	75.0	4,773.65
15080-Capacity & Level Analysis/SUB	36,905.41	26,966.55		26,966.55	73.1	9,938.86
Sub Total	56,000.00	41,287.49	0.00	41,287.49		14,712.51
TOTAL:	1,426,741.52	1,113,797.81	6,750.00	1,120,547.81	78.5	306,193.71

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	\$	1,120,547.81
LESS PREVIOUS INVOICES	\$	1,113,797.81
CURRENT PAYMENT DUE	\$	6,750.00


 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 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		
An updated Mile 10 AFA has been executed by the County. This task is now complete.	L&G	100%
FC 11002 – SCHEMATIC FOR ROADWAY & OUTFALLS		
L&G continues to develop the roadway and outfall schematics for submittal to TxDOT. The outfall schematics were updated based on the updated survey. Storm drain profile and proposed culvert crossings were updated based on preliminary hydraulic analyses and intersecting street (Mile 6 and FM1015) reference plans. L&G has prepared schematics for an environmental scoping meeting held September 9 th , 2021 and a Pre-DCC held October 4 th , 2021. Comments from these meetings were evaluated and revised typical sections sent to TxDOT for approval. Upon favorable response, L&G shall incorporate into the schematic in preparation for DCC, and Public Meeting. No change from prior invoice.	L&G	99%

FC 11005 – PRELIMINARY COMPENSABLE UTILITIES IDENTIFICATION ON SCHEMATIC (ROADWAY AND OUTFALLS)		
<p>L&G has been coordinating with our surveyor to tie down compensable utilities along the roadway and outfalls. SUE data collected will be shown on the schematic as it becomes available. 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&G coordinated with the gas companies and the surveyor in order to tie down the crossings (SUE Data). L&G has coordinated with City of Weslaco for water and sewer within the project limits and has incorporated info into the schematics. L&G has coordinated with HCCID9 to identify/confirm property interest along the project corridor. A coordination meeting with HCCID9 was held October 12th, 2021 to discuss proposed irrigation line / easement considerations. A letter was sent to HCCID9 on November 19th, 2021 requesting an irrigation line and property interest be eliminated between Mile 6 and FM 88. L&G continues to coordinate with HCCID9 to develop irrigation line adjustment concepts within incidental construction limits.</p> <p>No change from prior invoice.</p>	<p>L&G</p>	<p>99%</p>
FC 11007 – OFFICE SURVEYS FOR SCHEMATIC (PREL. OWNERSHIP IDENTIFICATION AND PROPERTY RIGHTS) ROADWAY		
<p>This task is now complete.</p>	<p>L&G</p>	<p>100%</p>
FC 11008 – UPDATE SCHEMATIC BASED ON COMMENTS AS PROVIDED BY TxDOT / FHWA		
<p>All design and computer files have been generated to fit TxDOT design requirements.</p> <p>No change from prior invoice.</p>	<p>L&G</p>	<p>50%</p>
FC 11009 – OFFICE SURVEYS FOR SCHEMATIC (PREL. OWNERSHIP IDENTIFICATION AND PROPERTY RIGHTS) 1.5 MILES OF OUTFALLS		
<p>This task is complete.</p>	<p>L&G</p>	<p>100%</p>
FC 11011 – TRAFFIC DATA REQUEST AS PER TxDOT DIRECTIVE		
<p>This task is complete.</p>	<p>L&G</p>	<p>100%</p>

FC 11012 – SCHEMATIC LAYOUT FOR INTERSECTION LAYOUTS (MILE 5 ½, FM 88 Mile 4 ½, Mile 4, Mile 3 ½, FM 1015		
Intersection Layouts have been updated using the latest TIN, TOPO, and ROW. The intersection configuration of Mile 10 at Mile 5 ½ has been updated to account for an existing irrigation line running parallel to Mile 10 on the south side. The EB right-turn lane was removed as a result. This update has been incorporated into the schematic in preparation for submittal to TxDOT. Per TxDOT comments from the Environmental Scoping meeting, alternative typical sections incorporating new TxDOT guidance on bicycle facilities is being evaluated. L&G has revised intersection design to accommodate shared-use path facilities. No change from prior invoice.	L&G	99%
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		
The Env group continues to update the public involvement documentation packet, draft PowerPoint presentation and notices as changes to the schematic occur in anticipation of the upcoming mock public meeting with TxDOT as well as update the property owner and public official’s mailing list. No change from prior invoice.	L&G	72%
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		
Update: L&G is updating the scoping documents and fact sheets to the latest information provided by the engineering group and is preparing technical reports.	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.		
L&G continues to update the schematic, proposed typical sections and ROW taking as it affects the irrigation district in anticipation of an upcoming mock and public meeting. No change from prior invoice.	L&G	63%
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 • Has recovered existing centerline of roadway. • Has collected approx. 80% of topo and DTM. No change from prior invoice.	ROWSS	79.1%
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 is preparing to submit report and map to TxDOT in preparation of Environmental Scoping Meeting, DCC, and Public Meeting. No change from prior invoice.	L&G	98%
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. No change from prior invoice.	L&G	75%
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 projections and trip generation, and has developed existing conditions and alternative scenarios using the SYNCHRO platform. A draft report has been developed for L&G review and comment that provides capacity and access management improvement recommendations. No change from prior invoice.	ETSI	73.1%

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

