

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

INVOICE #: 11328391
INVOICE DATE: 11/30/20

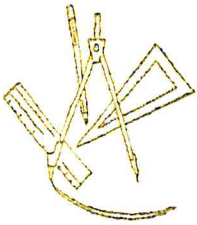
BILL TO: 34

Hidalgo County Pct. #1
 902 Joe Stephens
 Weslaco, TX 78596

JOB: 180701

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

<u>DESCRIPTION</u>	<u>CONTRACT</u>	<u>PREVIOUS APPLICATIONS</u>	<u>CURRENT COMPLETED</u>	<u>TOTAL COMPLETED</u>	<u>% COMPL</u>	<u>BALANCE TO FINISH</u>
Engineering services for the month of November 2020.						
Work Authorization #1 - Engineering services required for the completion of the Environmental Document, Public Involvement and Schematic Design.						
10201-Project Coord.	45,000.00	45,000.00		45,000.00	100.0	
11002-Schm Rdwy Outf	236,640.00	217,708.80	4,732.80	222,441.60	94.0	14,198.40
11005-Pre Comp Utlty	54,000.00	51,300.00		51,300.00	95.0	2,700.00
11007-Prelim ROW Req	70,000.00	70,000.00		70,000.00	100.0	
11008-Schm Updt TxDO	30,000.00	9,000.00		9,000.00	30.0	21,000.00
11009-Pre ROW Outfal	35,000.00	35,000.00		35,000.00	100.0	
11011-Traffic Data	18,288.72	18,288.72		18,288.72	100.0	
11012-Intersection	65,000.00	55,250.00		55,250.00	85.0	9,750.00
110110-Traffic Data	21,711.28	21,711.28		21,711.28	100.0	
12002-Pub Invmnt (PM)	67,200.00	23,520.00		23,520.00	35.0	43,680.00
12003-Pub Invmnt (PH)	27,000.00				0.0	27,000.00
12006-Env Doc TxDOT	135,000.00	43,200.00		43,200.00	32.0	91,800.00
12007-Arch & Hist	12,000.00	1,680.00		1,680.00	14.0	10,320.00
12008-Eng/Pub Mtgs	31,500.00	9,450.00		9,450.00	30.0	22,050.00
12009-Eng/Pub Hearin	22,500.00				0.0	22,500.00
12070-Arch & Hist/SU	18,000.00				0.0	18,000.00
15005-Field Srvy Out	57,345.82	43,009.37		43,009.37	75.0	14,336.45
15006-Field Srvy Rdw	38,909.00	30,777.02		30,777.02	79.1	8,131.98
15007-Sub-Srfce Utlt	35,719.00	12,501.65	1,785.95	14,287.60	40.0	21,431.40
15050-Fld Srvy Out/S	20,836.00	15,627.00		15,627.00	75.0	5,209.00
15060-Field Surveys	135,091.00	106,818.00		106,818.00	79.1	28,273.00
15070-Sub-Surface Ut	50,000.00	7,500.00		7,500.00	15.0	42,500.00
16101-Hydro Map	90,000.00	82,800.00	1,800.00	84,600.00	94.0	5,400.00
16204-Sign Warrants	2,038.53	1,954.95		1,954.95	95.9	83.58
16240-Signal Warrant	51,961.47	49,808.99		49,808.99	95.9	2,152.48
TOTALS:	1,370,740.82	951,905.78	8,318.75	960,224.53	70.1	410,516.29



December 1, 2020

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 in support of a request for payment. Attached for your approval is our invoice for the month of November 2020.

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		
The updated Mile 10 AFA has been executed by the County. The County should be receiving their payment request by September 25, 2020 (Friday) and will sent it to TxDOT on September 28, 2020 (Monday) for final AFA execution. This task is now complete.	L&G	100%
FC 11002 – SCHEMATIC FOR ROADWAY & OUTFALLS		
L&G has received the existing ROW basemap from our surveyor. The proposed alignment (best fit) has been finalized based on the basemap information. Preliminary profiles are being generated based on TIN information from our surveyor. Topographic information has been updated based on information provided by the surveyor. The schematic has been updated with call outs accordingly. L&G has identified HCDD#1 2018 Bond projects. L&G has determined estimated ROW and construction costs for both outfalls. L&G continues to develop the roadway and outfall schematics for submittal to TxDOT. Part of the Mile 10 project runs through the flood plain, so the roadway profile was raised approximately 2-ft in the flood plain area. New proposed cross sections were created based off of the new profile	L&G	94%

running through the flood plain and the new TIN file that was provided by the surveyor. Additional ROW is needed through the flood plain area to accommodate the outside slopes back to natural ground. The schematic was updated to reflect the additional ROW width that is needed. The outfall schematics were updated based on the updated survey.		
FC 11005 – PRELIMINAY COMPENSABLE UTILITIES IDENTIFICATION ON SCHEMATIC (ROADWAY AND OUTFALLS)		
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). No change from prior invoice.	L&G	95%
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		
All design and computer files have been generated to fit TxDOT design requirements. No change from prior invoice.	L&G	30%
FC 11009 – OFFICE SURVEYS FOR SCHEMATIC (PREL. OWNERSHIP IDENTIFICATION AND PROPERTY RIGHTS) 1.5 MILES OF OUTFALLS		
Property ownership information has been placed on the outfall schematics. Compensable utility ownership has been identified and placed on the schematics. A final review of the property ownership information was made. This task is complete.	L&G	100%
FC 11011 – TRAFFIC DATA REQUEST AS PER TxDOT DIRECTIVE		
This task is now 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		
Left turn lane lengths were updated based on the posted speed limits shown along the existing roadways. Proposed ROW need was updated based on the updated left turn lane lengths.	L&G	85%
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		
L&G met and presented to the City of Weslaco Mayor and City Manager project and received support from Weslaco. No change from prior invoice.	L&G	35%
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 documentation & corresponding attachments with the latest project information and new forms provided by TxDOT. L&G has begun framing the necessary technical reports based on TxDOT's new forms. L&G is coordinating with TxDOT & the County to set up a scoping meeting. No change from prior invoice.	L&G	32%
FC 12007 - ARCHEOLOGICAL AND HISTORICAL RESEARCH		
L&G continues to update the fact sheet, shapefiles, and map packet with the latest project information to provide to the sub. No change from prior invoice.	L&G	14%
FC 12008 – ENGINEERING TECHNICAL SUPPORT AT PUBLIC MEETINGS WITH LAYOUTS etc.		
A number of preliminary layouts have been presented to the City of Weslaco, the County and HCDD#1. A meeting was held with City Manager and Mayor of Weslaco to support the project. No change from prior invoice.	L&G	30%
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. 75% of survey work for the outfalls. Comments were generated and provided to ROWSS for updating. No change from prior invoice.	L&G	75%
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	79.1%

<p>FC 15007 – SUB-SURFACE UTILITY ENGINEERING (SUE) 25 POT HOLES / MILE</p>		
<p>Coordination with the surveyor continues so that we can complete the SUE data. No change from prior invoice</p>	<p>L&G</p>	<p>40%</p>
<p>FC 15050 - FIELD SURVEYS FOR DESIGN AND CONSTRUCTION OF OUTFALLS / SUB</p>		
<p>ROWSS (sub) has completed approx. 75% of survey for Outfalls C1 and C4. No change from prior invoice.</p>	<p>ROWSS</p>	<p>75%</p>
<p>FC 15060 - FIELD SURVEYS FOR DESIGN AND CONSTRUCTION OF ROADWAY / SUB</p>		
<p>ROWSS (sub) has performed the following to date:</p> <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. <p>No change from prior invoice.</p>	<p>ROWSS</p>	<p>79.1%</p>
<p>FC 15070 - SUB-SURFACE UTILITY ENGINEERING (SUE) 25 POT HOLES / MILE / SUB</p>		
<p>Hydro excavation of 15 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.</p>	<p>ROWSS</p>	<p>15%</p>
<p>FC 16101 – HYDROLOGICAL MAP FOR 4 OUTFALL DRAIN DITCHES (OUTFALL AND CAPACITIES)</p>		
<p>The hydrologic map was prepared with proposed & existing ditch cross sections. The cross sections included water surface elevations that were calculated using the existing ditch capacity upstream of the roadway crossing and drainage areas draining to the roadway project. The hydrologic map was submitted to TxDOT for their approval/concurrence. Comments have been received from TxDOT. TxDOT has requested that a hydraulic report be submitted along with the Hydrologic Map. L&G Engineering is preparing a hydraulic report for submittal to TxDOT. A Hydraulic Report is being created for submittal to the County and to TxDOT.</p>	<p>L&G</p>	<p>94%</p>

FC 16204 – TRAFFIC SIGNAL WARRANTS (6 LOCATIONS)		
<p>No change from prior invoice. Contract has been executed with Sub ETSI and scope of services was identified. ETSI was provided with a preliminary schematic and digital file for their reference. L&G has reviewed Warrant studies and has included recommendations on schematic.</p>	L&G	95.9%
FC 16240 – TRAFFIC SIGNAL WARRANTS (6 LOCATIONS) / SUB		
<p>No change from prior invoice. E.T.S.I. (sub) is approximately 96% complete with their Traffic Signal and Multi-Way Stop Warrant Study. The following tasks have been performed:</p> <ul style="list-style-type: none"> * Collection of data and conduction of field investigations * Assessment of collected data * Accident data and analysis * Collision diagrams * Intersection exhibits * Warrant Analysis * Photo Album * Recommendations * Warrant Study Report 	ETSI	95.9%

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

Sincerely,



Armando J. Sandoval, P.E.
Project Manager

