

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

INVOICE#: 11328069
INVOICE DATE: 3/31/2020

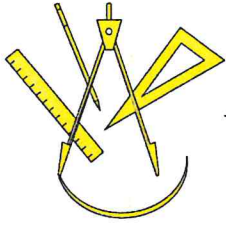
BILL TO: 34
Hidalgo County Pct. #1
902 Joe Stephens
Weslaco, TX 78599

JOB: 180501
Mile 6 Project WA#1
PO# 784887
(From: Mile 11 to SH107)

| DESCRIPTION | CONTRACT | PREVIOUS APPLICATIONS | CURRENT COMPLETED | TOTAL COMPLETED | % COMPL | BALANCE TO FINISH |
|---|---------------------|-----------------------|-------------------|---------------------|-------------|-------------------|
| Engineering services for the month of March 2020. | | | | | | |
| Work Authorization #1 - Re-Evaluation Document, Public Involvement, Schematic and Hydrologic Design | | | | | | |
| 10206-Feasibility | 30,000.00 | 30,000.00 | | 30,000.00 | 100.0 | - |
| 11002-Schm Roadway | 180,000.00 | 172,800.00 | 3,600.00 | 176,400.00 | 98.0 | 3,600.00 |
| 11005-Dsgn Schm Outfall | 180,000.00 | 172,800.00 | 3,600.00 | 176,400.00 | 98.0 | 3,600.00 |
| 11007-Schm Rdwy TxDOT | 45,000.00 | 27,000.00 | 2,250.00 | 29,250.00 | 65.0 | 15,750.00 |
| 11009-Pr1 ROW Outfall | 90,000.00 | 84,600.00 | 900.00 | 85,500.00 | 95.0 | 4,500.00 |
| 12001-EA Reports | 86,400.00 | 63,072.00 | | 63,072.00 | 73.0 | 23,328.00 |
| 12002-Pub Invmnt (PM) | 43,200.00 | 19,008.00 | 3,456.00 | 22,464.00 | 52.0 | 20,736.00 |
| 12007-Arch & Hist | 10,166.40 | 1,524.96 | | 1,524.96 | 15.0 | 8,641.44 |
| 12008-Eng/Pub Mtgs | 36,000.00 | 10,800.00 | | 10,800.00 | 30.0 | 25,200.00 |
| 12070-Arch & Hist/SUB | 27,333.60 | 0.00 | | 0.00 | 0.0 | 27,333.60 |
| 15007-Sub-Surfc Util | 208,210.00 | 208,210.00 | | 208,210.00 | 100.0 | - |
| 15008-Field Srvy Out | 209,940.00 | 209,431.00 | | 209,431.00 | 99.8 | 509.00 |
| 15070-SubSurface Eng | 10,540.00 | 0.00 | | 0.00 | 0.0 | 10,540.00 |
| 15080-Field Srvy/SUB | 245,060.00 | 91,830.00 | 86,960.00 | 178,790.00 | 73.0 | 66,270.00 |
| 16101-Hydro Map | 90,000.00 | 85,500.00 | 900.00 | 86,400.00 | 96.0 | 3,600.00 |
| 16204-Signal Warrant | 8,240.56 | 6,732.54 | | 6,732.54 | 81.7 | 1,508.02 |
| 16206-Trfc Prjetns | 18,288.72 | 18,288.72 | | 18,288.72 | 100.0 | - |
| 16240-Signl Wrnts/SUB | 65,759.44 | 53,731.53 | | 53,731.53 | 81.7 | 12,027.91 |
| 16260-Trfc Prj/SUB | 21,711.28 | 19,711.28 | | 19,711.28 | 90.8 | 2,000.00 |
| Sub Total | 1,605,850.00 | 1,275,040.03 | 101,666.00 | 1,376,706.03 | | 229,143.97 |
| Supplemental #1 to Work Authorization #1 - Revised Scope of Work | | | | | | |
| 10206-Feasibility | -30,000.00 | -30,000.00 | | -30,000.00 | 100.0 | - |
| 10211-Pre Engineering | 30,000.00 | 25,500.00 | 600.00 | 26,100.00 | 87.0 | 3,900.00 |
| 11005-Dsgn Schm Outfall | 177,940.00 | 169,043.00 | 3,558.80 | 172,601.80 | 97.0 | 5,338.20 |
| 15007-Sub-Surf Util | -187,389.00 | -187,389.00 | | -187,389.00 | 100.0 | - |
| 15008-Field Srvy Out | -177,940.00 | -177,940.00 | | -177,940.00 | 100.0 | - |
| 16403-ProjectMngmnt | 187,389.00 | 159,280.65 | 3,747.78 | 163,028.43 | 87.0 | 24,360.57 |
| Sub Total | 0.00 | -41,505.35 | 7,906.58 | -33,598.77 | | 33,598.77 |
| TOTAL: | 1,605,850.00 | 1,233,534.68 | 109,572.58 | 1,343,107.26 | 83.6 | 262,742.74 |

ORIGINAL CONTRACT SUM \$ 1,605,850.00
CHANGE BY CHANGE ORDER \$ 0.00
CONTRACT SUM TO DATE \$ 1,605,850.00
TOTAL COMPLETED TO DATE \$ 1,343,107.26
LESS PREVIOUS INVOICES \$ 1,233,534.68
CURRENT PAYMENT DUE \$ 109,572.58


PROJECT MANAGER'S SIGNATURE



L&G Engineering

Transportation Consultants

April 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 6 Project – WA#1
Limits: Mile 11 to SH 107
PO#784887 - L&G Project#180501

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 services rendered during the month of March 2020.

The following is attached:

- L & G's Invoice (and sub consultant invoice, if applicable)
- Exhibit C – Work Schedule

Work Authorization#1 – Engineering services required for the preparation of the Re-Evaluation Document, Public Involvement, Schematic and Hydrologic Design

| | | % Complete |
|---|----------------|-------------------|
| FC 10206 – DETERMINE LOCAL COSTS vs STATE COSTS / FEASIBILITY STUDY and AGREEMENTS/AFA WITH TxDOT/LPA COORDINATION | | |
| Supplemental #1 to Work Authorization #1 revises the scope of work and removes this scope. | L&G | 100% |
| FC 11002 – SCHEMATIC FOR ROADWAY | | |
| L&G has modified schematic to address the following: <ul style="list-style-type: none"> • Added existing profile @ CL based on LIDAR • Added existing LT & RT ROW profile based on LIDAR • Updated ROW parcel counts • Established exist. Centerline of ROW based on approved survey • Placed vertical alignment on schematic based on LIDAR. • Received topo and TIN file. | L&G | 98% |

| | | |
|--|----------------|------------|
| FC 11005 – SCHEMATIC FOR OUTFALLS | | |
| <p>L&G has developed schematics for each of the nine outfalls on the project (approx. 8 mi.) that include the following:</p> <ul style="list-style-type: none"> • Determined existing and proposed horizontal alignments along all nine (9) outfalls. • Vertical alignments have been determined based on LIDAR information. • Aerial imagery via drone has been generated for all nine outfalls based on shape files. • Existing ROW based on Carson Maps and/or HCCID#9 information and proposed ROW based on HCDD#1 criteria. • All existing structures along outfalls have been visually identified to include on schematics. • Aerial imagery via drone has been generated for all nine outfalls based on shape files. L&G has updated schematics based on this. • L&G has identified all HCDD#1 Bond projects. • L&G has determined ROW and construction costs for all nine outfalls. • L&G has met with HCDD#1 to get concurrence. • Letter from Pct. 1 to TxDOT was sent on July 15, 2019 on funding recommendations for outfalls. HCDD#1 concurred by letter dated October 7, 2019. • Concurrence letter was sent from TxDOT on 12-2-19 regarding outfall improvements. • Environmental Scoping meeting with TxDOT was held on 8-21-19. | L&G | 98% |
| FC 11007 – UPDATE SCHEMATIC BASED ON COMMENTS AS PROVIDED BY TxDOT / FHWA & EA UPDATE | | |
| <p>L&G submitted preliminary schematic to TxDOT and received comments from TxDOT on 2-12-20. Comments have been addressed and schematic will be re-submitted for further review. As per TxDOT, Design Concept Conference can be requested from RPIC.</p> | L&G | 65% |
| FC 11009 – OFFICE SURVEYS FOR SCHEMATIC (PRELIMINARY OWNER IDENTIFIED AND COMP. PROPERTY RIGHTS, ROADWAY & OUTFALLS | | |
| <p>Property owners have been mapped and identified on the proposed roadway schematic, revised intersections and on all nine outfalls. This information is based on the appraisal district records and preliminary research of deeds.</p> | L&G | 95% |
| FC 12001 – Re-EVALUATION OF ENVIRONMENTAL DOCUMENT WITH TxDOT | | |
| <p>Provided an updated reevaluation checklist based on TxDOT’s request and continues to prepare the required technical documents.</p> | L&G | 73% |

| | | |
|--|--------------------|--------------|
| FC 12002 – PUBLIC INVOLVEMENT FOR THE PROJECT WITH STAKEHOLDERS | | |
| L&G submitted the draft notices to TxDOT for their review and has requested an open-house style public meeting. L&G continues to prepare the exhibits and agenda packet for submittal to TxDOT. L&G continues to update and verify the property owner address list. | L&G | 52% |
| FC 12007 – ARCHEOLOGICAL AND HISTORICAL RESEARCH | | |
| L&G continues to update fact sheets, shape files, and supporting information for the Sub-Consultant to schedule the necessary surveys for the project. | L&G | 15% |
| FC 12008 – ENGINEERING TECHNICAL SUPPORT FOR LIMITED PUBLIC INVOLVEMENT | | |
| No change from prior invoice Several Schematics have been developed and used at Presentations with TxDOT, HCDD#1, the City(s) of Weslaco, Elsa and Edcouch as well as the HCMPO. These maps are continuously being updated. L&G Engineering attended an Environmental Scoping meeting with TxDOT on 8-21-19. | L&G | 30% |
| FC 12070 – ARCHEOLOGICAL AND HISTORICAL RESEARCH / SUB | | |
| This task has not begun | AmaTerra | 0% |
| FC 15007 – SUB-SURFACE UTILTIY ENGINEERING (SUE) 25 POT HOLES / MILE (ROADWAY AND OUTFALLS) | | |
| Supplemental #1 to Work Authorization #1 revises the scope of work. We have completed the sub-contracts with Alfonso Quintanilla and have provided his office with our existing digital files. We are plotting and researching the various utilities within the project. | L&G | 100% |
| FC 15008 – FIELD SURVEYS FOR DESIGN AND CONSTRUCTION OF ROADWAY AND 9 OUTFALLS | | |
| Supplemental #1 to Work Authorization #1 revises the scope of work. We have completed the sub-contracts with Alfonso Quintanilla and have provided his office with our existing digital files. All of the H&V Control is being gathered and coordination with the surveyor is on-going. | L&G | 99.8% |
| FC 15070 - SUB-SURFACE UTILITY ENGINEERING (SUE) 25 POT HOLES / MILE (ROADWAY AND OUTFALLS) / SUB | | |
| This task has not begun. | QUINTANILLA | 0% |

| | | |
|---|-------------|-------|
| FC 15080 - FIELD SURVEYS FOR DESIGN AND CONSTRUCTION OF ROADWAY AND 9 OUTFALLS / SUB | | |
| <p>Quintanilla, Headley & Associates (Sub) have set all BM's to establish vertical control. 3 wire loops have been completed. They have also set/recovered existing centerline of roadway as well as center of existing ROW for the section from 1000 ft. south of Mile 14 ½ to SH 107. Sub has submitted topo and TIN files that L&G Engineering is currently reviewing for correctness. Sub has completed Outfall survey for B7 thru B9.</p> | QUINTANILLA | 73% |
| FC 16101 – HYDROLOGICAL MAP FOR OUTFALL DRAIN DITCHES (OUTFALL AND CAPACITIES) | | |
| <p>L&G has updated Hydrologic Map based on the latest outfall schematics approved by HCDD#1. Comments received at meetings with the various Cities and TxDOT have been addressed.</p> | L&G | 96% |
| FC 16204 – TRAFFIC SIGNAL RE-WARRANTS AND MULTIWAY STOP CONTROL WARRANT STUDIES | | |
| <p>No change from prior invoice L&G has received and reviewed ETSI (Sub) Traffic Signal Re-Warrant study for the signal at SH 107. L&G has received and reviewed all Multiway-stop control warrant studies submitted by ETSI as well.</p> | L&G | 81.7% |
| FC 16206 – TRAFFIC COUNT PROJECTIONS FOR 20-YRS FOR SCHEMATICS | | |
| <p>Contract was generated with Sub C&M and scope of services was identified. C&M was provided with Traffic Data from adjacent section for their reference. C&M has now completed their traffic analysis and submitted to L&G for review. L&G has reviewed and routed this data to TxDOT for further handling. This task is now complete.</p> | L&G | 100% |
| FC 16240 - TRAFFIC SIGNAL RE-WARRANTS AND MULTIWAY STOP CONTROL WARRANT STUDIES / SUB | | |
| <p>No change from prior invoice ETSI (Sub) is approximately 80% complete with their Traffic Signal and Multi-Way Stop Control Warrant Studies. The following tasks have been performed:</p> <ul style="list-style-type: none"> • Collection of Data and Conduction of Field Investigations • Intersection Exhibits • Traffic signal & Multi-Way Stop control Warrant Analysis • Photo Album • Recommendations • Study Report | ETSI | 81.7% |

| | | |
|--|----------------|--------------|
| FC 16260 - TRAFFIC COUNT AND MODELING PROJECTIONS FOR 20-YRS FOR SCHEMATICS / SUB | | |
| C&M has completed their traffic projects and has submitted all data. This task is now complete. | C&M | 90.8% |

Supplemental #1 to Work Authorization #1 – Revised Scope of Work

| | | |
|--|----------------|-------------|
| FC 10206 - FC 10206 – DETERMINE LOCAL COSTS vs STATE COSTS / FEASIBILITY STUDY and AGREEMENTS/AFA WITH TxDOT/LPA COORDINATION | | |
| Supplemental #1 to Work Authorization #1 revises the scope of work and removes this scope. | L&G | 100% |
| FC 10211 - PRELIMINARY ENGINEERING | | |
| Supplemental #1 to Work Authorization #1 revises the scope of work to include this scope. L&G has developed several cost breakdowns for Pct. #1 and have had several meetings with TxDOT and the MPO to verify the approximate totals based on the preliminary schematics and schedule of work. This work is ongoing on a monthly basis and updated as the schematics continue to be worked on. | L&G | 87% |
| FC 11005 – SCHEMATIC FOR OUTFALLS | | |
| L&G has developed preliminary schematics for each of the nine outfalls on the project (approx. 8.0 mi.) that include the following: <ul style="list-style-type: none"> • Determined exist and prop horizontal alignments along all nine outfalls. • Vertical alignments have been determined based on LIDAR information. • Aerial imagery via drone has been generated for all nine outfalls based on shape files. • Existing ROW based on Carson Maps and/or HCCID#9 information and proposed ROW based on HCDD#1 criteria. • All existing structures along outfalls have been visually identified to include on schematics. • Aerial imagery via drone has been generated for all nine outfalls based on shape files. L&G has updated schematics based on this. • L&G has identified all HCDD#1 Bond projects. • L&G has determined ROW and construction costs for all nine outfalls. • L&G has met with HCDD#1 to get concurrence. A meeting with TxDOT was held on October 28, 2019. • Concurrence letter was sent from TxDOT on 12-2-19 regarding outfall improvements. | L&G | 97% |

| | | |
|--|----------------|-------------|
| FC 15007 – SUB-SURFACE UTILTIY ENGINEERING (SUE) 25 POT HOLES / MILE (ROADWAY AND OUTFALLS) | | |
| Supplemental #1 to Work Authorization #1 revises the scope of work. | L&G | 100% |
| FC 15008 – FIELD SURVEYS FOR DESIGN AND CONSTRUCTION OF ROADWAY AND 9 OUTFALLS | | |
| Supplemental #1 to Work Authorization #1 revises the scope of work. | L&G | 100% |
| FC 16403 – PROJECT MANAGEMENT | | |
| Supplemental #1 to Work Authorization #1 revises the scope of work. Contracts have been developed with all the subcontractors and the County. Several meetings with layouts have been held with City of Edcouch, TxDOT, Hidalgo County Pct #1 and HCDD#1. A meeting was held with TxDOT to discuss drainage recommendations. | L&G | 87% |

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

Sincerely,



Carlos Peralez, P.E.
Project Manager

