

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

**INVOICE#:** 11329363  
**INVOICE DATE:** 4/30/2023

**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 |
|--|--------------|-----------------------|-------------------|-----------------|---------|-------------------|
| <b>Engineering services for the month of April 2023.</b>   |              |                       |                   |                 |         |                   |
| 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    | 8,100.00              | 2,700.00          | 10,800.00       | 40.0    | 16,200.00         |
| 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    | 10,800.00             | 600.00            | 11,400.00       | 95.0    | 600.00            |
| 12008-Eng/Public Meeting   | 31,500.00    | 31,500.00             |                   | 31,500.00       | 100.0   | -                 |
| 12009-Eng/Public Hearing   | 22,500.00    | 6,750.00              | 2,250.00          | 9,000.00        | 40.0    | 13,500.00         |
| 12070-Archeological & Historical/SUB   | 18,000.00    | 11,528.86             | 411.36            | 11,940.22       | 66.3    | 6,059.78          |
| 15005-Field Surveys Outfalls   | 57,345.82    | 51,611.24             |                   | 51,611.24       | 90.0    | 5,734.58          |
| 15006-Field Surveys Roadway  | 38,909.00    | 35,018.10             |                   | 35,018.10       | 90.0    | 3,890.90          |
| 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    | 17,710.60             |                   | 17,710.60       | 85.0    | 3,125.40          |
| 15060-Field Surveys Roadway/SUB  | 135,091.00   | 116,479.95            |                   | 116,479.95      | 86.2    | 18,611.05         |
| 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 | 1,274,286.48          | 5,961.36          | 1,280,247.84    |         | 90,493.68         |

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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           | 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          |
| <b>TOTAL:</b>  | <b>1,426,741.52</b> | <b>1,327,486.47</b>   | <b>5,961.36</b>   | <b>1,333,447.83</b> | <b>93.5</b> | <b>93,293.69</b>  |

|                            |                    |
|----------------------------|--------------------|
| 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    | \$ 1,333,447.83    |
| LESS PREVIOUS INVOICES     | \$ 1,327,486.47    |
| <b>CURRENT PAYMENT DUE</b> | <b>\$ 5,961.36</b> |

PROJECT MANAGER'S SIGNATURE



## AMATERRA ENVIRONMENTAL MONTHLY PROJECT STATUS REPORT

**Project:** Mile 10 North Road

**Client:** L&G Consulting Engineers, Inc.

**Client contact:** Velma Garcia

**Contract #:** WA#30

**Report date:** April 19, 2023

**Progress during this billing period:** Prefield for historic resources survey.

**Anticipated work effort during the next reporting period:** Conduct historic resources survey.

**Issues or concerns:** None

**Current invoice:** An invoice for the current period is enclosed with the report: invoice 184-040-07 in the amount of \$411.36.

**Outstanding invoices:**

| Invoice # | Invoice Date | Invoice Amount |
|-----------|--------------|----------------|
|-----------|--------------|----------------|



## Invoice for Professional Services

To: L&G Consulting Engineers, Inc.  
2100 West Expressway 83  
Mercedes, TX 78570

From: AmaTerra Environmental  
11842 Rim Rock Trail  
Austin, TX 78737

Phone (512) 329-0031

Attn: Velma Garcia, velma@lgengineers.com  
cc: agarcia@lgengineers.com

AmaTerra Mgr: Deborah Dobson-Brown  
ddbrown@amaterra.com

WA 30 Mile 10 from Mile 6 Road  
to FM 1015

AmaTerra  
Project # 184-040

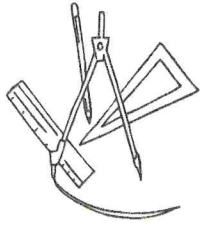
|                                |   |                           |                 |                          |
|--------------------------------|---|---------------------------|-----------------|--------------------------|
| Invoice Date<br>April 19, 2023 | Invoice Period<br>January 21 - April 16, 2023 | Invoice No.<br>184-040-07 | Terms<br>Net 30 | Due Date<br>May 19, 2023 |
|--------------------------------|---|---------------------------|-----------------|--------------------------|

### Value Completed by Work Task

| Project Task             | Contract Value | percent complete | Value Completed | Previously Invoiced | Amount Due |
|--------------------------|----------------|------------------|-----------------|---------------------|------------|
| 1. Archeological Studies | \$2,095.00     | 100.00%          | \$2,095.00      | \$2,095.00          | \$0.00     |
| 2. Historic Studies      | \$17,766.00    | 51.00%           | \$9,060.66      | \$8,705.34          | \$355.32   |
| 3. Management            | \$1,868.00     | 42.00%           | \$784.56        | \$728.52            | \$56.04    |
| Total                    | \$21,729.00    | 55.0%            | \$11,940.22     | \$11,528.86         | \$411.36   |

|  |              |                 |
|--|--------------|-----------------|
| Thank You for including AmaTerra as part of your Project Team! | <b>TOTAL</b> | <b>\$411.36</b> |
|--|--------------|-----------------|

*Handwritten signature*



May 1, 2023

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 the month of March 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  |
|---|----------------|-------------|
| <b>FC 10200 – DETERMINE OF LOCAL COST vs STATE COST and AGREEMENTS/AFA WITH TxDOT/LPA COORDINATION</b>      |                |             |
| <b>This task is complete.</b>   | <b>L&amp;G</b> | <b>100%</b> |
| <b>FC 11002 – SCHEMATIC FOR ROADWAY &amp; OUTFALLS</b>  |                |             |
| <b>This task is complete.</b>   | <b>L&amp;G</b> | <b>100%</b> |
| <b>FC 11005 – PRELIMINARY COMPENSABLE UTILITIES IDENTIFICATION ON SCHEMATIC (ROADWAY AND OUTFALLS)</b>      |                |             |
| <b>This task is complete.</b>   | <b>L&amp;G</b> | <b>100%</b> |
| <b>FC 11007 – OFFICE SURVEYS FOR SCHEMATIC (PREL. OWNERSHIP IDENTIFICATION AND PROPERTY RIGHTS) ROADWAY</b> |                |             |
| <b>This task is complete.</b>   | <b>L&amp;G</b> | <b>100%</b> |

|  |                 |              |
|--|-----------------|--------------|
| <b>FC 11008 – UPDATE SCHEMATIC BASED ON COMMENTS AS PROVIDED BY TxDOT / FHWA</b>   |                 |              |
| 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. <b>No change from prior invoice.</b> | <b>L&amp;G</b>  | <b>75%</b>   |
| <b>FC 11009 – OFFICE SURVEYS FOR SCHEMATIC (PREL. OWNERSHIP IDENTIFICATION AND PROPERTY RIGHTS) 1.5 MILES OF OUTFALLS</b>  |                 |              |
| <b>This task is complete.</b>  | <b>L&amp;G</b>  | <b>100%</b>  |
| <b>FC 11011 – TRAFFIC DATA REQUEST AS PER TxDOT DIRECTIVE</b>  |                 |              |
| <b>This task is complete.</b>  | <b>L&amp;G</b>  | <b>100%</b>  |
| <b>FC 11012 – SCHEMATIC LAYOUT FOR INTERSECTION LAYOUTS (MILE 5 ½, FM 88 Mile 4 ½, Mile 4, Mile 3 ½, FM 1015</b>   |                 |              |
| <b>This task is complete.</b>  | <b>L&amp;G</b>  | <b>100%</b>  |
| <b>FC 110110 - TRAFFIC DATA REQUEST AS PER TxDOT DIRECTIVE</b>   |                 |              |
| <b>This task is complete.</b>  | <b>C&amp;M</b>  | <b>100%</b>  |
| <b>FC 12002 – PUBLIC INVOLVEMENT FOR THE PROJECT WITH STAKEHOLDERS AND 1 PUBLIC MEETING</b>  |                 |              |
| <b>This task is complete.</b>  | <b>L&amp;G</b>  | <b>100%</b>  |
| <b>FC 12003 – EITHER ADDRESS THE PUBLIC OR HOLD 1 PUBLIC HEARING</b>   |                 |              |
| <b>UPDATE:</b> L&G is continues to update the mailing list in anticipation of the next phase of public involvement.  | <b>L&amp;G</b>  | <b>40%</b>   |
| <b>FC 12006 – ENVIRONMENTAL DOCUMENT WITH TxDOT</b>  |                 |              |
| <b>NO UPDATE:</b> All technical reports have been submitted. Waiting for approvals   | <b>L&amp;G</b>  | <b>98%</b>   |
| <b>FC 12007 - ARCHEOLOGICAL AND HISTORICAL RESEARCH</b>  |                 |              |
| <b>UPDATE:</b> The Env Group continues to work on obtaining ROE from affected property owners and is coordinating the historical and archeological surveys with Sub.   | <b>L&amp;G</b>  | <b>95%</b>   |
| <b>FC 12008 – ENGINEERING TECHNICAL SUPPORT AT PUBLIC MEETINGS WITH LAYOUTS etc.</b>   |                 |              |
| <b>This task is complete.</b>  | <b>L&amp;G</b>  | <b>100%</b>  |
| <b>FC 12009 – ENGINEERING TECHNICAL SUPPORT TO ADDRESS PUBLIC HEARING WITH LAYOUTS etc.</b>  |                 |              |
| <b>UPDATE:</b> L&G is updating the schematics and hydro-maps in anticipation of the next phase of public involvement.  | <b>L&amp;G</b>  | <b>40%</b>   |
| <b>FC 12070 – ARCHEOLOGICAL AND HISTORICAL RESEARCH / SUB</b>  |                 |              |
| A historical survey was conducted on April 26, 2023. Waiting for report.   | <b>AmaTerra</b> | <b>66.3%</b> |

|   |                |              |
|---|----------------|--------------|
| <b>FC 15005 – FIELD SURVEYS FOR DESIGN AND CONSTRUCTION OF OUTFALLS</b>   |                |              |
| L&G has received, reviewed, and incorporated the survey work completed for the outfalls. Comments were generated and provided to ROWSS for updating.<br><b>No change from prior invoice.</b>  | <b>L&amp;G</b> | <b>90%</b>   |
| <b>FC 15006 – FIELD SURVEYS FOR DESIGN AND CONSTRUCTION OF ROADWAY</b>  |                |              |
| 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 and incorporated the information into the schematic.<br><b>No change from prior invoice.</b> | <b>L&amp;G</b> | <b>90%</b>   |
| <b>FC 15007 – SUB-SURFACE UTILITY ENGINEERING (SUE) 25 POT HOLES / MILE</b>   |                |              |
| 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. <b>No change from prior invoice.</b>                      | <b>L&amp;G</b> | <b>90%</b>   |
| <b>FC 15050 - FIELD SURVEYS FOR DESIGN AND CONSTRUCTION OF OUTFALLS / SUB</b>   |                |              |
| ROWSS (sub) has completed approx. 85% of survey for Outfalls 1 and 4. <b>No change from prior invoice.</b>  | <b>ROWSS</b>   | <b>85%</b>   |
| <b>FC 15060 - FIELD SURVEYS FOR DESIGN AND CONSTRUCTION OF ROADWAY / SUB</b>  |                |              |
| ROWSS (sub) has performed the following to date: <ul style="list-style-type: none"> <li>• Establishing primary and secondary control</li> <li>• Completed BM's throughout the project. Has provided Vertical Control sheets</li> <li>• Has recovered existing ROW and centerline of roadway</li> <li>• Has collected approx. 85% of topo and DTM.</li> </ul> <b>No change from prior invoice.</b>                     | <b>ROWSS</b>   | <b>86.2%</b> |
| <b>FC 15070 - SUB-SURFACE UTILITY ENGINEERING (SUE) 25 POT HOLES / MILE / SUB</b>   |                |              |
| Hydro excavation of 82 holes has been completed and SUE Level-A data sheets have been submitted to L&G Engineering. <b>No change from prior invoice.</b>  | <b>ROWSS</b>   | <b>82%</b>   |
| <b>FC 16101 – HYDROLOGICAL MAP FOR 4 OUTFALL DRAIN DITCHES (OUTFALL AND CAPACITIES)</b>   |                |              |
| <b>This task is complete.</b>   | <b>L&amp;G</b> | <b>100%</b>  |
| <b>FC 16204 – TRAFFIC SIGNAL WARRANTS (6 LOCATIONS)</b>   |                |              |
| <b>This task is complete.</b>   | <b>L&amp;G</b> | <b>100%</b>  |

|   |             |             |
|---|-------------|-------------|
| <b>FC 16240 – TRAFFIC SIGNAL WARRANTS (6 LOCATIONS) / SUB</b> |             |             |
| <b>This task is complete.</b>                                 | <b>ETSI</b> | <b>100%</b> |

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

|  |                | <b>% Complete</b> |
|--|----------------|-------------------|
| <b>FC 15008 – CAPACITY &amp; LEVEL ANALYSIS</b>  |                |                   |
| 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. Pending TxDOT Approval. <b>No change from prior invoice.</b> | <b>L&amp;G</b> | <b>95%</b>        |
| <b>FC 15080 – CAPACITY &amp; LEVEL ANALYSIS / SUB</b>  |                |                   |
| 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 been 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. Pending TxDOT Approval. <b>No change from prior invoice.</b>  | <b>ETSI</b>    | <b>95%</b>        |

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

