

March 1, 2018



Commissioner Joseph Palacios  
Hidalgo County Precinct 4  
1051 N. Doolittle Rd  
Edinburg, TX 78542

**RE: 10<sup>th</sup> Street Extension - Work Authorization No. 2 - Limits: SH 107 to FM 1925  
PO#700265 - L&G Project#120902**

Dear Commissioner Palacios:

Attached for your approval is our invoice for services rendered under this work authorization for the month of February 2018.

Attached to this progress report is:

- L & G's Invoice
- Work Schedule

*The following is the status for the Work Authorization and Supplemental's listed below:*

**Work Authorization#2 – Preparation of the PS&E**

- 100% complete
- *Suppl. #1 to Work Auth. #2 – Additional Traffic Signal & Two Traffic Warrants*
  - 100% complete
- *Suppl. #2 to Work Auth. #2 – Phase III Right-of-Way Acquisition*
  - 100% complete
- *Suppl. #3 to Work Auth. #2 – Provide Compensable Utility Oversight*
  - 100% complete
- *Suppl. #4 to Work Auth. #2 – Abatement and Demolition of Guardhouse and Wall*
  - 100% complete

*Below is a narrative for the Supplemental identified below:*

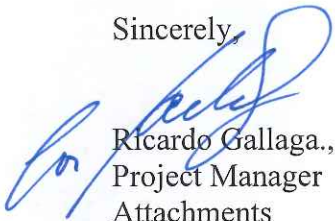
- *Suppl. #5 to Work Auth. #2 – Construction Management, Construction Inspection and Construction Material Testing*

		% Complete
<b>FC 32001 – CONSTRUCTION INSPECTION</b>		
Construction started on 2/12/18. Contractor has set up barricades. Barricades were inspected and a report of deficiency was submitted to Contractor for corrections prior to barricades being acceptance and approved to begin work. Bulletin Board has been set up by Contractor and information has been updated to latest forms. L&G has coordinated with TxDOT on the on-going progress of project. L&G has set up project record files and estimate.	L&G	1%

<b>FC 32002 – CONSTRUCTION MANAGEMENT</b>		
L&G has developed a monthly estimate to be used for monthly submittals to Hidalgo County Pct #4 and TxDOT. L&G has developed project record files. These files will follow the filing system used on Local Government (LG) projects and in compliance to the LGPP manual. L&G has developed and completed Change Order #1 requesting a changing in drainage materials from Steel Ribbed Corrugated Metal Pipe (SRCMP) to Reinforce Concrete Pipe (RCP). The change order has been formally approved by TxDOT and Hidalgo County.	<b>L&amp;G</b>	<b>1%</b>
<b>FC 32030 – CONSTRUCTION QC/QA</b>		
B2Z, Rosendo Garcia, has reviewed project files for completeness and organization. Rosendo has obtained and reviewed a copy of the project Sampling and Testing Guide Schedule. Mr. Garcia has visited the project barricades and bulletin board. Mr. Garcia makes notes of items for discussion. Discussions are held between B2Z and L&G Construction Group to discuss findings. See B2Z's progress report for additional details.	<b>B2Z</b>	<b>1%</b>
<b>FC 33004 – MATERIAL TESTING</b>		
L&G lab has sampled and tested flex base material. Material for sand backfill was sampled and tested. L&G is currently coordinating with Texas Cordia Hot Mix supplier to review, sample and perform any test necessary to approve ACP design.	<b>L&amp;G</b>	<b>1%</b>

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

Sincerely,



Ricardo Gallaga., P.E.  
Project Manager  
Attachments

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

**INVOICE#: 11326774**  
**INVOICE DATE: 2/28/2018**

**BILL TO: 84**  
**Hidalgo County Pct. #4**  
**X/o Commissioner Joseph Palacios**  
**1051 N. Doolittle Rd.**  
**Edinburg, TX 78541**

**JOB: 120902**  
**10th Street Extension Project**  
**WA#2, PO#700265**  
**C-12-126-10-16**

DESCRIPTION	CONTRACT	PREVIOUS APPLICATIONS	CURRENT COMPLETED	TOTAL COMPLETED	% COMPL	BALANCE TO FINISH
<b>Engineering services for the month of February 2018.</b>						
Work Authorization #2 - Preparation of the PS&E						
15001-Field Survey	45,001.00	45,001.00		45,001.00	100.0	-
15010-Field Srvy/SUB	80,000.00	80,000.00		80,000.00	100.0	-
16001-Rdwy Dsgn	799,217.00	799,217.00		799,217.00	100.0	-
16002-Rdwy Dsgn-Outfall	48,000.00	48,000.00		48,000.00	100.0	-
16205-Sign.Marki.Dsg	59,721.00	59,721.00		59,721.00	100.0	-
16250-Sigl Dsgn-SUB	60,281.00	60,281.00		60,281.00	100.0	-
16308-Permted Utility	95,000.00	95,000.00		95,000.00	100.0	-
	<u>1,187,220.00</u>	<u>1,187,220.00</u>	0.00	<u>1,187,220.00</u>	100.0	-
Supplemental #1 to Work Authorization #2 - Additional Traffic Signal & Two Warrants						
16205-Signal Design	5,001.00	5,001.00		5,001.00	100.0	-
16250-Signal Dsgn/SUB	24,977.60	24,977.60		24,977.60	100.0	-
	<u>29,978.60</u>	<u>29,978.60</u>	0.00	<u>29,978.60</u>	100.0	-
Supplemental #2 to Work Authorization #2 - Phase III Right-of-Way Acquisition						
6000-ROW Acquisition	380,800.00	380,800.00		380,800.00	100.0	-
60100-Title Services	38,400.00	38,400.00		38,400.00	100.0	-
60200-Appraisal Serv	32,000.00	32,000.00		32,000.00	100.0	-
60210-Appraisal Srv/SUB	144,000.00	144,000.00		144,000.00	100.0	-
60300-Appraisal Rvw	22,400.00	22,400.00		22,400.00	100.0	-
60310-Aprsal Rvw/SUB	28,800.00	28,800.00		28,800.00	100.0	-
60400-Parcel Negtion	224,000.00	224,000.00		224,000.00	100.0	-
60500-Clsng Srvs Fee	12,800.00	12,800.00		12,800.00	100.0	-
Sub Total	<u>883,200.00</u>	<u>883,200.00</u>	0.00	<u>883,200.00</u>	100.0	-
Supplemental #3 to Work Authorization #2 - Provide Compensable Utility Oversight						
60101-Comp Utly Mgmt	135,000.00	135,000.00		135,000.00	100.0	-
Supplemental #4 to Work Authorization #2 - Abatement and Demolition of Guardhouse and Wall						
12006-Asbestos Abate	10,066.94	10,066.94		10,066.94	100.0	-
12050-Abatement/ SUB	6,870.00	6,870.00		6,870.00	100.0	-
12060-Asbestos Abate/ SUB	27,940.00	27,940.00		27,940.00	100.0	-
13002-ROW Map	5,018.88	5,018.88		5,018.88	100.0	-
13020-ROW Map/ SUB	3,189.00	3,189.00		3,189.00	100.0	-
15007-Sub-Surface Utility Eng.	5,018.88	5,018.88		5,018.88	100.0	-
15070-Sub-Surface Utility Eng/SUB	19,752.00	19,752.00		19,752.00	100.0	-
15008-Dsgn Chnge Cal	40,085.14	40,085.14		40,085.14	100.0	-
Sub Total	<u>117,940.84</u>	<u>117,940.84</u>	0.00	<u>117,940.84</u>	100.0	-

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

**INVOICE#:** 11326774  
**INVOICE DATE:** 2/28/2018

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1051 N. Doolittle Rd.  
Edinburg, TX 78541

**JOB: 120902**  
10th Street Extension Project  
WA#2, PO#700265  
C-12-126-10-16

DESCRIPTION	CONTRACT	PREVIOUS APPLICATIONS	CURRENT COMPLETED	TOTAL COMPLETED	% COMPL	BALANCE TO FINISH
Supplemental #5 to Work Authorization #2 - Construction Management, Construction Inspection and Construction Material Testing						
32001-Construction Inspection	599,040.96		5,990.41	5,990.41	1.0	593,050.55
32003-Construction Management	316,287.90		3,162.88	3,162.88	1.0	313,125.02
32030-Construction QC/QA	79,230.36		792.30	792.30	1.0	78,438.06
33004-Material Testing	186,639.37		1,866.39	1,866.39	1.0	184,772.98
	1,181,198.59	0.00	11,811.98	11,811.98	1.0	1,169,386.61
<b>TOTAL:</b>	<b>3,534,538.03</b>	<b>2,353,339.44</b>	<b>11,811.98</b>	<b>2,365,151.42</b>	<b>66.9</b>	<b>1,169,386.61</b>

ORIGINAL CONTRACT SUM	\$ 1,187,220.00
CHANGE BY CHANGE ORDER	\$ 2,347,318.03
CONTRACT SUM TO DATE	\$ 3,534,538.03
TOTAL COMPLETED TO DATE	\$ 2,365,151.42
LESS PREVIOUS INVOICES	\$ 2,353,339.44
<b>CURRENT PAYMENT DUE</b>	<b>\$ 11,811.98</b>

PROJECT MANAGER'S SIGNATURE



February 25, 2018

Mr. Ricardo Gallaga, P.E.  
Project Manager ~ L&G Consulting Engineers, Inc.  
2100 W. Expressway 83  
Mercedes, Texas 78570

**RE: Work Authorization #45 for Construction Inspection & CMT  
10<sup>th</sup> Street Construction Management  
Invoice No. 3236 (Job #152780)  
CSJ: 0921-02-300**

Dear Mr. Gallaga:

Attached for your review and approval is our invoice for services rendered during the month of February 2018 on the subject referenced project.

The following is attached:

- Invoice No. 3236 (Job #152780)

The following is a narrative of the progress for this period.

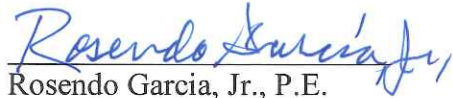
TASK	
(1) FC 32010 – Construction Management (B2Z Engineering) QC/QA Construction Inspection QC/QA Material Testing	<u>% Complete = 1.0%</u>
<p><b>Updated</b> – B2Z conducted a detailed review of the below referenced file folders produced by L&amp;G and offer the following:</p> <p><b><u>Project Files:</u></b> B2Z has continued review of the up-to-date project files and has found them to be well organized for effective project management tracking items activity and general project requirements.</p> <p><b><u>On-Site Inspection (QC/QA):</u></b></p> <p><b><u>Field Visit (2-20-18)</u></b> – B2Z noted the following on first visit while driving the project with L&amp;G Chief Inspector Jose Luis Garcia:</p> <ul style="list-style-type: none"><li>• Signs/Barricades – Advance signing and barricades had been set up. Some of the barrels throughout the project still need to be set for required spacing and barricades/road closed signs at intersections require more separation between them (10' per BC detail in plans).</li><li>• Prep Right of Way (ROW) – Contractor was aggressively doing prep ROW work starting at SH 107 going north and was just south of Russell Road removing an area of mesquite trees.</li><li>• Drainage Work Material – Pipe of various sizes and other drainage structures had been delivered throughout the cleared ROW at various locations. Along with inspector, noted some chipped ends on some of the delivered pipe which inspector will bring to contractor's attention in exercising care in delivery process. While on the project, the contractor had just started excavation for an inlet (A10) on the east side just north of SH 107.</li><li>➤ PVC Pipe– PVC pipe material had also been delivered for irrigation line work.</li></ul>	

**Updated** – B2Z has noted the following review of records:

- Drainage Structures – Pipe (Capa) and Inlets (L&R) at various locations on the project were marked to confirm they were from approved suppliers on Materials Producer List.
- PVC Pipe (irrigation) - Inspector requested an invoice to verify compliance with item requirements and acceptable to the Irrigation District (will review when received).
- Material On Hand (MOH) – No current request on file for MOH.

Should you have any questions regarding this submittal, please do not hesitate to email me at [Rosendo@B2ZEng.com](mailto:Rosendo@B2ZEng.com) or call me at (956) 900-4361.

Respectfully Submitted,



Rosendo Garcia, Jr., P.E.

Senior Construction Manager – B2Z Engineering, LLC

# B<sup>2</sup>Z ENGINEERING

P.O. Box 2724  
McAllen, Tx. 78502  
(956) 585-3773

## Invoice

Date	Invoice #
2/26/2018	3236

Please send remittance with copy of invoice to:

Attn: Mrs. Aisha Gonzalez  
P.O. Box 2724  
McAllen, Tx. 78502

Bill To: L&G Engineering  
2100 W. Expressway 83  
Mercedes, Tx. 78570

Project Info:  
10th Street Construction Inspection & CMT  
JOB: 152780  
Billing Period 1/27/18 - 2/26/18

CSJ#0921-02-300

Description	Contract Amount	x	% Complete	Current Amount Due
FC 32010 - Construction Management ~ Sub	\$79,230.36		1.00%	\$792.30
			Previously Invoiced	\$0.00

**TOTAL PREVIOUSLY INVOICED \$0.00**  
**TOTAL DUE THIS INVOICE \$792.30**

  
Aisha Gonzalez - President


EXHIBIT "C"  
 WORK SCHEDULE  
 10th Street Extension - WA #2  
 From SH 107 to FM 1925 (Monte Christo Rd)  
 Length = 2.5 miles

TASK AND DESCRIPTION	FIRM		2018												2019												2020				2021		
			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEP	OCT	NOV	DEC	Q1	Q2	Q3	Q4	Q1	Q2	Q3
<b>10th Street Extension (SH 107-FM1925)</b>																																	
<b>WA #1: EA, PI, Schematic &amp; ROW Map</b>																																	
Advertise & Conduct Public Meeting	L&G	COMP																															
TxDOT Schematic Approval	TxDOT	COMP																															
TxDOT ROW Map Approval	TxDOT	COMP																															
Environmental Decision	TxDOT	COMP																															
<b>WA #2: Design Survey &amp; PS&amp;E</b>																																	
Design Survey	DLS	COMP																															
Permitted Utility Coordination	L&G	COMP																															
Outfall Coordination with HCDD #1	L&G	COMP																															
30% PS&E Completion	L&G	COMP																															
60% PS&E Completion	L&G	COMP																															
90% PS&E Completion	L&G	COMP																															
95% PS&E Completion	L&G	COMP																															
TxDOT Review	TxDOT	COMP																															
100% Mylars Completion	L&G	COMP																															
TxDOT Approval	TxDOT	COMP																															
<b>TXDOT RELEASE OF ROW</b>																																	
ROW Release	TxDOT	COMP																															
<b>WA #3: ROW Acq. (SH 107 - Schunior)*</b>																																	
<b>ROW Acquisition (Approx. 64 parcels)</b>																																	
ROW Acquisition Process	L&G	COMP																															
<b>Construction Mngmnt - Bid Analysis &amp; Contract Award</b>																																	
Receive TxDOT approval to advertise including pre-bid & DBE Conf	TxDOT	COMP																															
Advertise (1st) & post in civcast (3 weeks prior to bid opening)	Cty/L&G	COMP																															
Advertise (2nd) & post in www.civcastusa.com	Cty/L&G	COMP																															
Advertise (3rd) & post in www.civcastusa.com	Cty/L&G	COMP																															
Conduct DBE conference & Pre-Bid Meeting	Cty/L&G	COMP																															
Open Bids (verify apparent low bidder)(7 weeks prior to letting)	Cty/L&G	COMP																															
Submit Bids to TxDOT (low bidder concurrence)(6 wks to letting)	Cty/L&G	COMP																															
Receive concurrence from TxDOT	TxDOT	COMP																															
Recommend to County, Award to Low Bidder	L&G	COMP																															
Award Contract at Commissioner's Court (Letting Date)	County	COMP																															
<b>Construction Management - Contract Execution</b>																																	
Assist the County with Execution of the Contract	L&G	COMP																															
<b>Construction Operations (SH 107 - FM 1925)</b>																																	
Construction Begins ( Start Date: February 2018)	County																																

Hidalgo County Pct. #4

## PROCTOR TEST REPORT

Project Description: 10th Street Extension Project from SH107 to FM 1925  
 C-17-218-12-19

Client: Hidalgo County Pct. #4  
 Contractor: Texas Cordia Construction, LLC

L&G Project Number: E130181

L&G Report Number: R001  
 Sample Date: 02/15/2018  
 Date Reported: 02/15/2018

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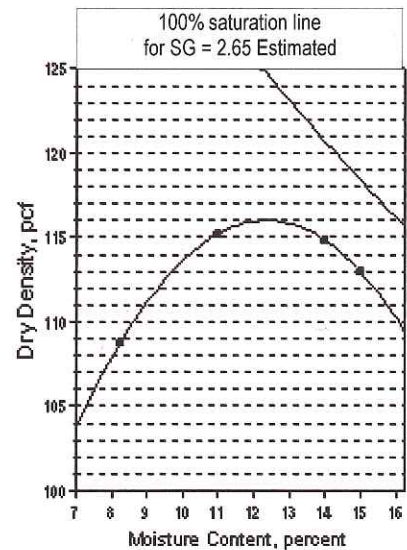
Compaction Method: **TEX 114**  
 Material Description: **Base Material (Caliche)**

Specific Gravity: **2.65**

**Liquid Limit: 30**  
**Plastic Limit: 18**  
**Plasticity Index: 12**

Specimen No.:	1	2	3	4
Moisture, %:	8.2	11.0	14.0	15.1
Dry Density (pcf):	108.6	115.2	114.8	112.7

Maximum Dry Density in P.C.F.: 116.0  
 Optimum Moisture (%): 12.3



**Remarks:** Sampled from Martin Marietta Pit (Stockpile)  
**Test Method:** TEX 114- E, TEX 104-E, TEX 105-E, TEX 106-E

Orig: Hidalgo County Pct. #4 (E130) (Hidalgo County Pct. #4)  
 (Edinburg, TX) Attn: Maria Lucio  
 (1-cc copy)  
 1-cc Texas Cordia Construction, LLC  
 1-cc Laboratory

Respectfully Submitted,  
 L&G Engineering



Ricardo A. Gil, Lab Manager