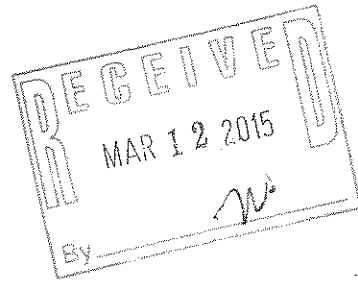


L&G Engineering Laboratory

Construction Material Testing Geotechnical Engineering



INVOICE

Invoice Date: 05/30/2014

Invoice No: 14-5-000018

Page 1 of 2

2100 W. Expressway 83
Mercedes, TX 78570
Office (956) 565-0760 Fax (956) 565-6746

Client Address: Hidalgo County Pct. #4
1102 N. Doolittle Rd.
Edinburg, TX. 78539

Account No.: L130

Project No: L1301403

Project Desc.: Renovations to former Admin. Bldg.

Due Date: UPON RECEIPT

Budget/Remaining: \$2,838.93 / \$1,349.27

PO: 707737

===== Invoice Summary by Billing Code =====

	Unit Rate	Qty	Extension
920:92033 - Air Content (Pressure Method)	\$23.51	1.00	\$23.51
920:92034 - Comp. Strength of Cyl. Specimen	\$15.68	4.00	\$62.72
920:92035 - Cyl. Specimen Prep./Hold/Cure	\$11.83	4.00	\$47.32
940:94047 - Eng. Tech. (Concrete / Lab)	\$60.18	1.00	\$60.18
940:94050 - Eng. Tech. (Concrete)	\$60.18	4.00	\$240.72
940:94054 - Engineering Specialist	\$117.75	6.75	\$794.82
940:94055 - Engineer / P.E.	\$150.22	0.75	\$112.67
950:95058 - Vehicle Trip Charge	\$0.52	150.00	\$78.00
950:95061 - Test Report	\$23.24	3.00	\$69.72
Total for this Invoice:			\$1,489.66

===== Invoice Detail by Report =====

Report No.	Sampled	Qty	Billing Code	Unit Type	Unit Rate	Extension
R001	04/25/2014	1.00	920:92033 - Air Content (Pressure Method)	Each	\$23.51	\$23.51
R001	04/25/2014	4.00	920:92035 - Cyl. Specimen Prep./Hold/Cure	Each	\$11.83	\$47.32
R001	04/25/2014	4.00	940:94050 - Eng. Tech. (Concrete)	Hour	\$60.18	\$240.72
R001	04/25/2014	0.25	940:94054 - Engineering Specialist	Hour	\$117.75	\$29.44
R001	04/25/2014	0.25	940:94055 - Engineer / P.E.	Hour	\$150.22	\$37.56
R001	04/25/2014	50.00	950:95058 - Vehicle Trip Charge	Mile	\$0.52	\$26.00
R001	04/25/2014	1.00	950:95061 - Test Report	Each	\$23.24	\$23.24

Report Number R001 for a Subtotal of: \$427.79

4-1336-419-40-220-043-0-452

GOOD SERVICES RECEIVED BY:

REMIT TO: 2100 W. Expressway 83
Mercedes, TX 78570
Office (956) 565-0760 Fax (956) 565-6746

ON _____
INVOICE RECEIVED BY:
ON _____

Net 30 Days

PO 707737

PAST DUE BALANCES SUBJECT TO 1.5% SERVICE CHARGE PER MONTH
PLEASE REFERENCE INVOICE NUMBER WITH PAYMENT

L & G Engineering Laboratory

Construction Material Testing
Geotechnical Engineering

INVOICE

Invoice Date: 05/30/2014

Invoice No: 14-5-000018

Page 2 of 2

2100 W. Expressway 83
Mercedes, TX 78570
Office (956) 565-0760 Fax (956) 565-6746

===== Invoice Detail by Report =====

<u>Report No.</u>	<u>Sampled</u>	<u>Qty</u>	<u>Billing Code</u>	<u>Unit Type</u>	<u>Unit Rate</u>	<u>Extension</u>
R002-28	04/25/2014	4.00	920:92034 - Comp. Strength of Cyl. Specimen	Each	\$15.68	\$62.72
R002-28	04/25/2014	1.00	940:94047 - Eng. Tech. (Concrete / Lab)	Each	\$60.18	\$60.18
R002-28	04/25/2014	0.50	940:94054 - Engineering Specialist	Hour	\$117.75	\$58.88
R002-28	04/25/2014	0.50	940:94055 - Engineer / P.E.	Hour	\$150.22	\$75.11
R002-28	04/25/2014	1.00	950:95061 - Test Report	Each	\$23.24	\$23.24
Report Number R002-28 for a Subtotal of:						\$280.13
R003	04/16/2014	6.00	940:94054 - Engineering Specialist	Hour	\$117.75	\$706.50
R003	04/16/2014	100.00	950:95058 - Vehicle Trip Charge	Mile	\$0.52	\$52.00
R003	04/16/2014	1.00	950:95061 - Test Report	Each	\$23.24	\$23.24
Report Number R003 for a Subtotal of:						\$781.74
Total for this Invoice:						\$1,489.66

REMIT TO: 2100 W. Expressway 83
Mercedes, TX 78570
Office (956) 565-0760 Fax (956) 565-6746

Net 30 Days

PAST DUE BALANCES SUBJECT TO 1.5% SERVICE CHARGE PER MONTH
PLEASE REFERENCE INVOICE NUMBER WITH PAYMENT



**REPORT OF SITE VISIT
TEST REPORT**

Project Description: Renovations to former Admin. Bldg.
Client: Hidalgo County Pct. #4

L&G Project Number: L1301403
L&G Report Number: R001
Sample Date: 04/25/2014
Date Reported: 04/25/2014

Client PO: 707737

Page 1 of 1

On April 25, 2014, a representative of L&G Engineering Laboratory was dispatched to the Admin. Bldg. Renovation Project to perform inspection on the placement of ready-mixed concrete on Bldg. Pad Patch.

Specimen Number 1 was obtained and tested at 3:00 PM, and the following were determined:

Concrete Temp: <u>88°f</u>	<u>N/A</u> Specification	Entrapped/Entrained Air Content: <u>1.8%</u>	<u>N/A</u> Specification
Ambient Temp: <u>92°f</u>	<u>N/A</u> Specification	Slump: <u>3 3/4 inches</u>	<u>N/A</u> Specification

From Specimen Number 1, a total of 4-6x12 cylindrical test specimens were cast for Compressive Strength Testing at intervals of 7 and 28 days.

On April 28, 2014, a representative of L&G Engineering Laboratory was dispatched to the referenced project to collect the cylindrical specimens cast on the placement of ready-mixed concrete on Admin. Bldg. Renovation Project. The specimens were delivered to the laboratory where they were stripped, labeled, and placed in a curing tank for testing at intervals of 7 and 28 days.

Test Methods (If Applicable): ASTM C-231, ASTM C-143, ASTM C-1064, ASTM C-31, ASTM C-172

Orig: Hidalgo County Pct. #4 (Gen.) (Hidalgo County Pct. #4)
(Edinburg, TX) Attn: Maria (LuLu) Lucio
(1-cc copy)
1-cc Laboratory

Respectfully Submitted,
L&G Engineering Laboratory

Ricardo A. Gil, Lab Manager



L&G Engineering Laboratory

Construction Material Testing
Geotechnical Engineering

2100 W. Expressway 83
900 S. Stewart Rd. Ste. 6
3388 US Hwy 277

Mercedes, TX 78570 (956) 565-0760
Mission, TX 78572 (956) 583-7117
Carrizo Springs, TX (888) 565-9813

CONCRETE COMPRESSION TEST REPORT

Project Description: Renovations to former Admin. Bldg.
Client: Hidalgo County Pct. #4

L&G Project Number: L1301403
L&G Report Number: R002-28
Sample Date: 04/25/2014
Date Reported: 05/23/2014

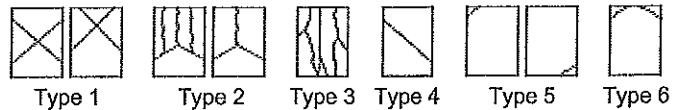
Client PO: 707737

Page 1 of 1

Placement Location: Bldg. Pad Patching on New Sewer Liner @ Admin. Bldg.
 Mix ID: 3500CGI Supplier: CRM Concrete
 Specified Strength: 3,500 P.S.I. @ 28 days
 Specified Slump: Max 5 Slump: 3.75"
 Specified Air Content: N/A Air Content: 1.8%
 Weather Conditions: Hot & Humid Air Temp.: 92°F
 Time Batched: 2:30 pm Time Sampled: 3:00 pm Concrete Temp.: 88°F
 Plant Ticket No: 433704 Truck No: 260 CY: 10
 Water: 11 gal.

Compressive Strength Data

Set No.	Identification	Test Date	Age (days)	Maximum Load (pounds)	Break Type	Comp. Strength (psi)	Average Strength (psi)	% of Design
1	A	05/02/2014	7	107,530	Type 3	3,800		108.57%
	B	05/02/2014	7	104,565	Type 3	3,700	3,750	105.71%
	C	05/23/2014	28	136,965	Type 3	4,840		138.29%
	D	05/23/2014	28	127,190	Type 3	4,500	4,670	128.57%



Remarks/Comments:

6 x 12 in. Cylinders

Orig: Hidalgo County Pct. #4 (Gen.) (Hidalgo County Pct. #4)
(Edinburg, TX) Attn: Maria (LuLu) Lucio
(1-cc copy)
1-cc Laboratory

Respectfully Submitted,
L&G Engineering Laboratory

Ricardo A. Gil, Lab Manager



L&G Engineering Laboratory

Construction Material Testing
Geotechnical Engineering

2100 W. Expressway 83
900 S. Stewart Rd. Ste. 6
3388 US Hwy 277

Mercedes, TX 78570 (956) 565-0760
Mission, TX 78572 (956) 583-7117
Carrizo Springs, TX (888) 565-9813

STRUCTURAL/WELDING INSPECTION TEST REPORT

Project Description: Renovations to former Admin. Bldg.
Client: Hidalgo County Pct. #4

L&G Project Number: L1301403
L&G Report Number: R003
Sample Date: 04/16/2014
Date Reported: 04/16/2014

Client PO: 707737

Page 1 of 1

On April 16, 2014, a representative of L&G Engineering Laboratory was dispatched to the former Administration Building Renovation Project Site to perform a Structural/ Welding Inspection along side with Robles Consulting, LLC. A report of the findings is attached herein.

Orig: Hidalgo County Pct. #4 (Gen.) (Hidalgo County Pct. #4)
(Edinburg, TX) Attn: Maria (LuLu) Lucio
(1-cc copy)
1-cc Laboratory

Respectfully Submitted,
L&G Engineering Laboratory

Ricardo A. Gil, Lab Manager

Robles Consulting, LLC an AWS Affiliate Company Member
P.O. Box 1231
Rio Hondo, TX 78583
(956) 748-0176 Fax, (956) 245-6774 Cell
roblesconsulting@yahoo.com

Job: L&G-002
County: Hidalgo
File: 01.214102

STRUCTURAL/WELDING INSPECTION REPORT

Consulting Engineer: L & G Engineering
Address: 2100 W. Expressway 83
City: Mercedes, TX 78570

Project Name: Former Administration Building Renovation

Date Inspected: 04/16/14

Prime Contractor: D. Wilson Construction

Contractor: Acero Fab.

Location: Edinburg, TX

Documents Reviewed:

Electrode to Specification: Yes No N/A
Welders Qualified: Yes No N/A
Reviewed Drawings: Yes No N/A

CWI Present: Continuous Periodic

Weld Procedures Followed: Yes No N/A

Verified Joint Fit-up: Yes No N/A

Reviewed WPS: Yes No N/A

Weld Types Observed:

Fillet Welds 1/8" 3/16" 1/4" 5/16" 3/8" Seam Welds 5/8" Arc Spot Welds Other
Groove Welds CJP PJP Moment Connections

Electrode Type Used: E7018

Welding Process: SMAW

Structural Weld Location Observed/Inspected and Gridlines:

- | | |
|---|--|
| <input checked="" type="checkbox"/> Perimeter Angle to Joists/Beams | <input checked="" type="checkbox"/> Angle Braces to Joists/Beams |
| <input type="checkbox"/> Joists to CMU Embeds | <input type="checkbox"/> Horizontal/X-bridging |
| <input type="checkbox"/> Tilt Panels to Footings | <input type="checkbox"/> Bridging Anchored/Welded at Ends |
| <input type="checkbox"/> Girder to Girder Seats | <input type="checkbox"/> Other |
| <input type="checkbox"/> Columns to Baseplate Embeds | |
| <input type="checkbox"/> Angle Clip to Beams | |
| <input type="checkbox"/> Joist to Girder | |
| <input type="checkbox"/> Joist to Tilt Panel Embed | |
| <input type="checkbox"/> Tilt Panel to Panel Connections | |
| <input type="checkbox"/> Continuous Angle to Embeds | |
| <input type="checkbox"/> Girders to Column Cap Plates | |
| <input type="checkbox"/> Joists to beams | |
| <input type="checkbox"/> Joists Seats to Tilt Panel Embeds | |
| <input checked="" type="checkbox"/> Outriggers to Joists and Beams | |

Notes: Inspection of 3/4" A325 bolts for snug tight at beam to beam and beam to column connections at 2nd floor framing was performed. Inspection of fastening pattern of floor deck to beam flange and deck angle closures at 2nd floor was performed. Inspection of welds at deck angle welded to beam top flanges was performed. Inspection of welds at WT to columns and angle brace supports welded to beams was performed. Gridlines were not available on drawings for reference. Fastening and welds were acceptable.

Deck Weld Pattern Observed Gridlines:


Deck Type: <u>24 ga. 0.6C G90</u>	Weld Pattern: <u>N/A</u>	Fasteners per Span: <u>4 ea. No. 10 Tek</u>
Deck to Joists/Beams <input checked="" type="checkbox"/>	Deck to Chord Angle <input checked="" type="checkbox"/>	Weld Washers: Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
Deck to Outriggers <input checked="" type="checkbox"/>	Deck Fastening <input checked="" type="checkbox"/>	Deck Fastening Pattern: <u>36/4 No. 12 Tek</u>

Inspection performed to visual inspection acceptance criteria as set forth by AWS D 1.1 / AWS D1.3 Structural Welding Code.

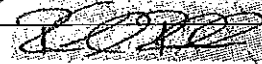
Comments: This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations, unless specified or RFI approved.

Applicable Code, Standards: AWS D1.1 , 2010 AWS D1.3 , 2008 API ASME Section IX , Specs , RFI

Inspected By: Raul L. Robles, CWI, CWE
Credential Verification: AWS CWI Quick Check

 Raul L. Robles
CWI 02070431
QC1 EXP. 7/1/2017
Inspector / AWS Certified Welding Educator
Acceptable Unacceptable

Authorized By: Rick Gil

 Project Manager