



# County of Hidalgo Pct. 4

Commissioner Joseph Palacios  
1051 N. Doolittle Road  
Edinburg Texas 78542-0337

## MEMO

DATE: May 29, 2013  
TO: PURCHASING DEPARTMENT  
C/O LETICIA "LETTY" SAENZ CPPB/CONTRACTS MANAGER  
FROM: HIDALGO COUNTY PCT. #4  
REF: WORK AUTHORIZATION #2  
C-12-122-06-12

HIDALGO COUNTY PRECINCT #4 IS HEREBY REQUESTING THE FOLLOWING INVOICE # 13-5-000024 WORK AUTHORIZATION #2 IN THE AMOUNT OF \$1,545.30 FOR L & G Engineering Laboratory, LLC BE PLACED ON THE NEXT COMMISSIONERS' COURT FOR APPROVAL.

FUNDING FOR THIS PROJECT WILL BE FROM PURCHASE ORDER # 690629 ACCOUNT # 3-1342-431-00-124-122-0-841

SHOULD YOU HAVE ANY QUESTIONS, PLEASE CONTACT OUR OFFICE,  
THANK YOU.

VERONICA LOPEZ   
BUDGET ANALYST II

CC: COUNTY FILES  
ATTACHMENTS: Inv. # 13-5-000024  
PO# 690629

# L & G Engineering Laboratory

## Construction Material Testing Geotechnical Engineering

**INVOICE**  
 Invoice Date: 05/29/2013  
 Invoice No: 13-5-000024

Page 1 of 2

**RECEIVED**  
 MAY 29 2013

BY: *[Signature]*

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: L1301301  
 Project Desc.: FM 1017 Rd. Expansion

Due Date: UPON RECEIPT  
 Budget/Remaining: \$5,647.67 / \$1,086.23  
 PO: 690629

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

	<u>Unit Rate</u>	<u>Qty</u>	<u>Extension</u>
910:91011 - Field Density (Nuclear Method)	\$23.21	13.00	\$301.73
940:94048 - Eng. Tech. (Soils / SP.)	\$46.44	12.50	\$580.50
940:94054 - Engineering Specialist	\$116.01	1.25	\$145.00
940:94055 - Engineer / P.E.	\$154.76	1.25	\$193.45
950:95058 - Vehicle Trip Charge	\$0.51	412.00	\$210.12
950:95061 - Test Report	\$22.90	5.00	\$114.50
<b>Total for this Invoice:</b>			<b>\$1,545.30</b>

===== 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>
R009	04/19/2013	5.00	910:91011 - Field Density (Nuclear Method)	Each	\$23.21	\$116.05
R009	04/19/2013	2.50	940:94048 - Eng. Tech. (Soils / SP.)	Hour	\$46.44	\$116.10
R009	04/19/2013	0.25	940:94054 - Engineering Specialist	Hour	\$116.01	\$29.00
R009	04/19/2013	0.25	940:94055 - Engineer / P.E.	Hour	\$154.76	\$38.69
R009	04/19/2013	82.00	950:95058 - Vehicle Trip Charge	Mile	\$0.51	\$41.82
R009	04/19/2013	1.00	950:95061 - Test Report	Each	\$22.90	\$22.90
Report Number R009 for a Subtotal of:						\$364.56
R010	05/03/2013	2.00	940:94048 - Eng. Tech. (Soils / SP.)	Hour	\$46.44	\$92.88
R010	05/03/2013	0.25	940:94054 - Engineering Specialist	Hour	\$116.01	\$29.00
R010	05/03/2013	0.25	940:94055 - Engineer / P.E.	Hour	\$154.76	\$38.69
R010	05/03/2013	82.00	950:95058 - Vehicle Trip Charge	Mile	\$0.51	\$41.82

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

# L & G Engineering Laboratory

Construction Material Testing  
Geotechnical Engineering

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

## INVOICE

Invoice Date: 05/29/2013  
Invoice No: 13-5-000024

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**RECEIVED**  
MAY 29 2013  
BY: *VZ*

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

Report No.	Sampled	Qty	Billing Code	Unit Type	Unit Rate	Extension
R010	05/03/2013	1.00	950:95061 - Test Report	Each	\$22.90	\$22.90
Report Number R010 for a Subtotal of:						\$225.29
R011	05/07/2013	3.00	910:91011 - Field Density (Nuclear Method)	Each	\$23.21	\$69.63
R011	05/07/2013	3.00	940:94048 - Eng. Tech. (Soils / SP.)	Hour	\$46.44	\$139.32
R011	05/07/2013	0.25	940:94054 - Engineering Specialist	Hour	\$116.01	\$29.00
R011	05/07/2013	0.25	940:94055 - Engineer / P.E.	Hour	\$154.76	\$38.69
R011	05/07/2013	82.00	950:95058 - Vehicle Trip Charge	Mile	\$0.51	\$41.82
R011	05/07/2013	1.00	950:95061 - Test Report	Each	\$22.90	\$22.90
Report Number R011 for a Subtotal of:						\$341.36
R012	05/08/2013	2.00	910:91011 - Field Density (Nuclear Method)	Each	\$23.21	\$46.42
R012	05/08/2013	2.50	940:94048 - Eng. Tech. (Soils / SP.)	Hour	\$46.44	\$116.10
R012	05/08/2013	0.25	940:94054 - Engineering Specialist	Hour	\$116.01	\$29.00
R012	05/08/2013	0.25	940:94055 - Engineer / P.E.	Hour	\$154.76	\$38.69
R012	05/08/2013	82.00	950:95058 - Vehicle Trip Charge	Mile	\$0.51	\$41.82
R012	05/08/2013	1.00	950:95061 - Test Report	Each	\$22.90	\$22.90
Report Number R012 for a Subtotal of:						\$294.93
R013	05/10/2013	3.00	910:91011 - Field Density (Nuclear Method)	Each	\$23.21	\$69.63
R013	05/10/2013	2.50	940:94048 - Eng. Tech. (Soils / SP.)	Hour	\$46.44	\$116.10
R013	05/10/2013	0.25	940:94054 - Engineering Specialist	Hour	\$116.01	\$29.00
R013	05/10/2013	0.25	940:94055 - Engineer / P.E.	Hour	\$154.76	\$38.69
R013	05/10/2013	84.00	950:95058 - Vehicle Trip Charge	Mile	\$0.51	\$42.84
R013	05/10/2013	1.00	950:95061 - Test Report	Each	\$22.90	\$22.90
Report Number R013 for a Subtotal of:						\$319.16
<b>Total for this Invoice:</b>						<b>\$1,545.30</b>

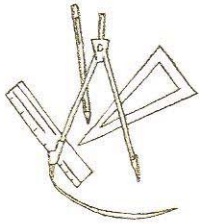
Invoice Received By: *VZ* on 5/29/13

Goods/Services Received By:  
~~3-1342 431-00-124122 0-841~~  
 Pct. # 502  
 Pur. Req. # 233758  
 P.O. # 690629

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



# L&G Engineering Laboratory

Construction Material Testing  
Geotechnical Engineering

May 28, 2013

Commissioner Joseph Palacios  
Attn: Roman Rodriguez  
Hidalgo County, Pct. #4  
1102 N. Doolittle Rd.  
Edinburg, Texas 78539

**RE: FM 1017 Rd. Expansion**

Dear Mr. Rodriguez:

Included for your use with this letter are test reports **R009** thru **R013** for **Construction Material Testing** performed on the above referenced project. Unless otherwise noted, all test results meet or exceed requirements.

L&G Engineering Laboratory appreciates the opportunity to serve your material testing needs on this project and we look forward to working with you in the future.

If you have any questions, feel free to contact me at 956-565-0760.

Sincerely,

Ricardo A. Gil  
General Manager

Attachments

CC: Project File



**FIELD DENSITIES  
 TEST REPORT**

Project Description: FM 1017 Rd. Expansion  
 Client: Hidalgo County Pct. #4

L&G Project Number: L1301301  
 L&G Report Number: R009  
 Sample Date: 04/19/2013  
 Date Reported: 04/19/2013

Client PO: 690629

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Material Description Salvaged Base

Required % Proctor 95 Moisture Tolerance -2+3

Proctor No	Optimum % Moisture	Opt. Density, LB/CF
SVB MD1	7.9	117.5

Test No.	Test Location	Proctor No	Moisture Content	Dry Density	Percent Compaction	Depth (inch)
1	FM 1017 Sta. 138-50 20ft S. from CL	SVB MD1	8.1%	122.2 pcf	104.0% (Pass)	8"
2	FM 1017 Sta. 133+50 22ft S from CL	SVB MD1	7.3%	124.1 pcf	105.6% (Pass)	8"
3	FM 1017 Sta. 129+50 23ft S from CL	SVB MD1	6.9%	119.0 pcf	101.3% (Pass)	8"
4	FM 1017 Sta. 126+00 20ft S from CL	SVB MD1	6.9%	119.5 pcf	101.7% (Pass)	8"
5	FM 1017 Sta. 120+45 22ft S from CL	SVB MD1	9.6%	116.8 pcf	99.4% (Pass)	8"

Remarks: Test results are in general compliance with the project specifications except as noted.  
 Test Methods: ASTM D2922, D3017

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

Respectfully Submitted,  
 L&G Engineering Laboratory

Ricardo A. Gil, Lab Manager

**Rick Gil**

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**From:** Roman Rodriguez [roman.rodriguez@co.hidalgo.tx.us]  
**Sent:** Thursday, April 18, 2013 3:45 PM  
**To:** Rick Gil  
**Cc:** Celia Almaguer  
**Subject:** DENSITY TESTING 1017 ROAD EXPANSION PROJECT.

RICK,  
PCT. # 4 IS REQUESTING DENSITY TESTING ON 2000 L.F. OF FILL. (4 SHOTS)  
THE TESTING IS FOR THE SECTION THAT IS ON THE SOUTH SIDE STARTING ON THE  
WEST SIDE GOING EASTBOUND.  
IF POSSIBLE CAN WE BE SCHEDULED FOR TOMARROW AT 2:00P.M.

DIRECTOR

PCT. # 4

THANKS,  
ROMAN RODRIGUEZ  
ROAD & BRIDGE

HIDALGO COUNTY



# 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

## REPORT OF SITE VISIT TEST REPORT

Project Description: FM 1017 Rd. Expansion  
Client: Hidalgo County Pct. #4

L&G Project Number: L1301301  
L&G Report Number: R010  
Sample Date: 05/03/2013  
Date Reported: 05/03/2013

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Client PO: 690629

Page 1 of 1

On May 3, 2013, a representative of L&G Engineering Laboratory was dispatched to FM 1017 Project Site to perform proof rolling. Hidalgo County Pct. #4 proof rolled from Sta. 153+00 thru Sta. 140+00 on the Eastbound shoulder lane with a water truck weighing 54,600 tons. There were no soft spots.

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: Raul Sesin  
(1-cc copy)  
1-cc Laboratory

Respectfully Submitted,  
L&G Engineering Laboratory

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Ricardo A. Gil, Lab Manager

## Rick Gil

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**From:** Roman Rodriguez [roman.rodriguez@co.hidalgo.tx.us]  
**Sent:** Friday, May 03, 2013 8:05 AM  
**To:** Rick Gil  
**Cc:** reynaldollanes  
**Subject:** Density testing request

Pct.#4 is requesting density testing on F.M. 1017 road expansion project, this is the last section on the southeast side and testing is for sub-grade , we are requesting 3 shots for approx. 1200 ft.

We will be ready for testing at 2:00 p.m today (5/3/13) Thank You, Roman Rodriguez

Sent from my iPhone



**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

**FIELD DENSITIES  
 TEST REPORT**

Project Description: FM 1017 Rd. Expansion  
 Client: Hidalgo County Pct. #4

L&G Project Number: L1301301  
 L&G Report Number: R011  
 Sample Date: 05/07/2013  
 Date Reported: 05/07/2013

Client PO: 690629

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Material Description	Salvaged Base		
Required % Proctor	95	Moisture Tolerance	-2+3
	Proctor No	Optimum % Moisture	Opt. Density, LB/CF
	SVB MD1	7.9	117.5

Test No.	Test Location	Proctor No	Moisture Content	Dry Density	Percent Compaction	Depth (inch)
1	FM 1017 Sta. 140+00 Eastbound Shoulder	SVB MD1	6.6%	115.4 pcf	98.2% (Pass)	8"
2	FM 1017 Sta. 143+00 Eastbound Shoulder	SVB MD1	9.5%	120.5 pcf	102.6% (Pass)	8"
3	FM 1017 Sta. 147+00 Eastbound Shoulder	SVB MD1	6.6%	124.0 pcf	105.5% (Pass)	8"

Remarks: Test results are in general compliance with the project specifications except as noted.  
 Test Methods: ASTM D2922, D3017

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

Respectfully Submitted,  
 L&G Engineering Laboratory

Ricardo A. Gil, Lab Manager

## Rick Gil

---

**From:** Roman Rodriguez [roman.rodriguez@co.hidalgo.tx.us]  
**Sent:** Tuesday, May 07, 2013 11:57 AM  
**To:** Rick Gil  
**Subject:** Re: Density testing on 1017

Thank You Sir !

Sent from my iPhone

On May 7, 2013, at 11:53 AM, "Rick Gil" <rgil@lgengineers.com> wrote:

> I have forwarded your request to Rey Llanes, our  
> dispatcher.....thanks

>

> Ricardo A. Gil  
> General Manager  
> L&G Engineering Laboratory, LLC  
> 2100 W. Expressway 83  
> Mercedes, Texas 78570

>

> Phone: 956-565-0760  
> Fax: 956-565-6746  
> Cell: 956-463-2008  
> rgil@lgengineers.com

>

>

> -----Original Message-----

> From: Roman Rodriguez [mailto:roman.rodriguez@co.hidalgo.tx.us]  
> Sent: Tuesday, May 07, 2013 11:30 AM  
> To: Rick Gil  
> Subject: Density testing on 1017

>

> Pct. #4 is requesting density testing for sub-grade on a small piece  
> of road that was flooded with this last rain, we will need 1 shot on  
> this section and the section will be ready at 2:00p.m today 5/7/13.

> Thank You Roman Rodriguez  
> Hidalgo County Pct. # 4

>

> Sent from my iPhone

>



# 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

## FIELD DENSITIES TEST REPORT

Project Description: FM 1017 Rd. Expansion  
Client: Hidalgo County Pct. #4

L&G Project Number: L1301301  
L&G Report Number: R012  
Sample Date: 05/08/2013  
Date Reported: 05/08/2013

Client PO: 690629

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<b>Material Description</b>	Salvage Base MD #1		
<b>Required % Proctor</b>	95	<b>Moisture Tolerance</b>	-2+3
	<b>Proctor No</b>	<b>Optimum % Moisture</b>	<b>Opt. Density, LB/CF</b>
	SVB MD1	7.9	117.5

Test No.	Test Location	Proctor No	Moisture Content	Dry Density	Percent Compaction	Depth (inch)
1	FM 1017 Sta. 148+00 Eastbound Shoulder	SVB MD1	7.1%	115.7 pcf	98.5% (Pass)	8"
2	FM 1017 Sta. 151+00 Eastbound Shoulder	SVB MD1	8.6%	118.4 pcf	100.8% (Pass)	8"

Remarks: Test results are in general compliance with the project specifications except as noted.  
Test Methods: ASTM D2922, D3017

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

Respectfully Submitted,  
L&G Engineering Laboratory

Ricardo A. Gil, Lab Manager

## Rick Gil

---

**From:** Roman Rodriguez [roman.rodriguez@co.hidalgo.tx.us]  
**Sent:** Wednesday, May 08, 2013 7:02 AM  
**To:** Rick Gil  
**Subject:** Density testing on F.M 1017

Good morning Rick,  
Pct. #4 is requesting density testing on sub grade for F.M. 1017 on the South.East side of the road .  
Crew will be ready today (5/8/13) at 2:30p.m.  
Thank You Roman Rodriguez  
Hidalgo County Pct.#4

Sent from my iPhone



**FIELD DENSITIES  
 TEST REPORT**

Project Description: FM 1017 Rd. Expansion  
 Client: Hidalgo County Pct. #4

L&G Project Number: L1301301  
 L&G Report Number: R013  
 Sample Date: 05/10/2013  
 Date Reported: 05/10/2013

Client PO: 690629

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<b>Material Description</b>	Slavage Base MD1		
<b>Required % Proctor</b>	95	<b>Moisture Tolerance</b>	-2+3
	<b>Proctor No</b>	<b>Optimum % Moisture</b>	<b>Opt. Density, LB/CF</b>
	SVB MD1	7.9	117.5

Test No.	Test Location	Proctor No	Moisture Content	Dry Density	Percent Compaction	Depth (inch)
1	FM 1017 Sta. 140+20 23ft S of CL / Final Lift	SVB MD1	10.9%	116.2 pcf	98.9% (Pass)	8"
2	FM 1017 Sta. 145+00 22ft S of CL / Final Lift	SVB MD1	8.1%	117.1 pcf	99.7% (Pass)	8"
3	FM 1017 Sta. 150+00 20ft S of CL / Final Lift	SVB MD1	7.7%	116.4 pcf	99.1% (Pass)	8"

Remarks: Test results are in general compliance with the project specifications except as noted.  
 Test Methods: ASTM D2922, D3017

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

Respectfully Submitted,  
 L&G Engineering Laboratory

Ricardo A. Gil, Lab Manager

**Rick Gil**

---

**From:** Roman Rodriguez [roman.rodriguez@co.hidalgo.tx.us]

**Sent:** Wednesday, May 08, 2013 4:00 PM

**To:** Rick Gil

**Subject:** DENSITY TESTING ON F.M. 1017

GOOD AFTERNOON RICK,  
PCT. # 4 IS REQUESTING DENSITY TESTING ON SUB-GRADE FOR THE F.M. 1017 ROAD  
EXPANSION PROJECT, THE TESTING WILL BE DONE ON THE LAST SECTION OF THE  
SOUTH EAST SIDE OF F.M. 1017.  
IT SHOULD BE BE ABOUT 3 SHOTS.  
AND THE CREW WILL BE READY FOR TESTING ON FRIDAY (5/10/13) AT 11:30A.M.

THANKS, ROMAN RODRIGUEZ  
HIDALGO COUNTY PCT. # 4