

# INVOICE

CONSULTANTS \* ENVIRONMENTAL \* FACILITIES \* INFRASTRUCTURE

**BILLING DATE :**  
7/15/2013

**PROJECT :**  
AMD1304300  
Hidalgo County Pct. 2 Thomas Road

**CLIENT :**  
A14055 Hidalgo County Precinct 2



**Mr. Agapito Vargas**  
Hidalgo County Precinct 2  
300 West Hall Acres  
Suite G  
Pharr, TX 78577

**REMITTANCE ADDRESS:**  
RABA KISTNER, INC.  
P.O. BOX 971037  
DALLAS, TX 75397-1037

**PHONE (210) 699-9090**

## CONSULTING SERVICES

### INVOICE SUMMARY INFORMATION

Improvements 2012 - Pharr, Hidalgo County, Texas  
Project Administration 10% - RKCI Proposal No. PMD13-066-00  
Purchase Order No. 693488  
RETMC

**FOR PROFESSIONAL SERVICES RENDERED THROUGH: 7/6/2013**

|              |            |        |
|--------------|------------|--------|
| SERVICE DATE | 06/10/2013 | 430.00 |
| SERVICE DATE | 06/17/2013 | 216.00 |
| SERVICE DATE | 06/20/2013 | 196.25 |
| SERVICE DATE | 07/02/2013 | 430.00 |
| SERVICE DATE | 07/06/2013 | 127.23 |

**AMOUNT DUE THIS INVOICE \*\*** 1,399.48

**THIS IS AN INTERIM INVOICE UNLESS OTHERWISE NOTED**

RK PROJECT MANAGER: DENNIS C. CHARKOW  
CLIENT PHONE: 956-787-1891

### PROJECT ACCOUNTS RECEIVABLE SUMMARY

|   |    |          |
|---|----|----------|
| Amount Due This Invoice                       | \$ | 1,399.48 |
| Total of Previous Invoices - Currently Unpaid |    | 0.00     |
| Total Due And Payable                         | \$ | 1,399.48 |

|       |                            |
|-------|----------------------------|
| PO #  | 693488                     |
| 3     | -1200-431-00-122-083-0-731 |
| Req # | 237463                     |

INVOICE RECEIVED BY:  
*Elizabeth Cases* 7/25/13  
GOODS/SERVICES RECEIVED BY:  
*Hector Titopalacios* 7/15/13

2013 JUL 25 PM 1 14  
PRECINCT NO. 2  
HIDALGO COUNTY

# LABORATORY TESTING REPORT

Moisture-Density Relationship, and Atterberg Limits

**RABA KISTNER**  
**CONSULTANTS**  
 Raba Kistner Consultants Inc.  
 800 East Hackberry  
 McAllen, Texas 78501  
 (956) 682-5332 • FAX(956) 682-5487  
 www.rkci.com  
 TBPE Firm F-3257

ATTN.: MR. AGAPITO VARGAS, EXECUTIVE DIRECTOR  
 TO: HIDALGO COUNTY PCT. 2 - BCAP  
 300 W. HALL ACRES ROAD, SUITE G  
 PHARR, TEXAS 78577

PROJECT NO.: AMD13-043-00  
 SAMPLE DATE: 06/10/2013  
 ASSIGNMENT NO.: M13-012437  
 REPORT VERSION: A  
 TECHNICIAN: ALEJANDRO BERNAL

**PROJECT: Hidalgo County Pct. 2 Thomas Road Improvements 2012, Pharr, Hidalgo County, Texas**

A sample of the following material was obtained by RKCI for laboratory testing : Light Brown Clay w/Gravel & Lime (Treated Subgrade Material). This material was obtained from the following location: Along Thomas Road Near STA.: 23 + 00.  
 This material was obtained from The Project Site and is intended for use as Treated Subgrade Material.

| Moisture-Density Relationship Test, ASTM D 698 Method C |       |
|---|-------|
| Maximum Dry Density, (pcf)                              | 104.4 |
| Optimum Moisture Content, (%)                           | 18.8  |

The Proctor curve is available upon request. Tested By: OSCAR CRUZ

| Atterberg Limits, ASTM D 4318 |                  |
|-------------------------------|------------------|
| Average Liquid Limit          | Non-Determinable |
| Average Plastic Limit         | Non-Determinable |
| Average Plasticity Index      | Non-Plastic      |

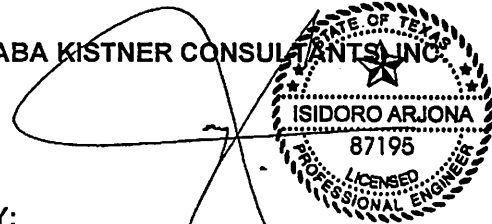
Tested By: MANUEL DE SANTIAGO, III

The maximum dry density and optimum moisture content have been corrected using the procedure outlined in ASTM D 4718, "Correction of Unit Weight and Water Content for Soils Containing Oversize Particles".

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COPIES TO: Above (1)  
 agapito.vargas@co.hidalgo.tx.us (1)  
 rgutierrez@rgec.net (1)

RABA KISTNER CONSULTANTS INC



BY: \_\_\_\_\_  
 06/14/2013



Updated By: MMR 6/13/2013 1:40:06PM

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**Oswaldo Ochoa**

---

**From:** Dennis C. Charkow  
**Sent:** Monday, June 10, 2013 11:52 AM  
**To:** javier@rgec.net  
**Cc:** McAllen Dispatch  
**Subject:** RE: Materials Testing - Thomas Road (Jackson Rd to McColl Rd)

Javier,

We have scheduled this for today.  
Please copy our dispatcher on all future requests for services. ([mdispatch@rkci.com](mailto:mdispatch@rkci.com))

Thank you,

Dennis

---

**From:** Javier Gutierrez [mailto:[javier@rgec.net](mailto:javier@rgec.net)]  
**Sent:** Monday, June 10, 2013 11:48 AM  
**To:** Dennis C. Charkow  
**Cc:** 'Jaime Jaimez'  
**Subject:** Materials Testing - Thomas Road (Jackson Rd to McColl Rd)

Dennis,

R. Gutierrez Engineering Corporation is requesting testing for the Thomas Road project between Jackson Rd & McColl Rd. Testing or samples of lime sub-grade to run proctor needs to be done at 4PM today.

Regards,  
Javier Gutierrez  
R. Gutierrez Engineering Corporation – Texas Firm #486  
956-782-2557  
[javier@rgec.net](mailto:javier@rgec.net)

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6/10/2013

# FIELD TEST REPORT

Soil/Base Material Nuclear Density Test

ATTN.: MR. AGAPITO VARGAS, EXECUTIVE DIRECTOR  
 TO: HIDALGO COUNTY PCT. 2 - BCAP  
 300 W. HALL ACRES ROAD, SUITE G  
 PHARR, TEXAS  
 78577

**RABA KISTNER CONSULTANTS**  
 Raba Kistner Consultants Inc.  
 800 East Hackberry  
 McAllen, Texas 78501  
 (956) 682-5332 • FAX(956) 682-5487  
 www.rkci.com  
 TBPE Firm F-3257

PROJECT NO.: AMD13-043-00  
 DATE OF TEST: 06/17/2013  
 ASSIGNMENT NO.: M13-012540  
 REPORT VERSION: A  
 SHEET NUMBER: 1 of 1  
 TECHNICIAN: ROEL GONZALEZ

PROJECT: Hidalgo County Pct. 2 Thomas Road Improvements  
 2012, Pharr, Hidalgo County, Texas

| TEST NO. | TEST LOCATION                               | SOIL TYPE | LIFT NO. /DEPTH | MOISTURE CONTENT (%) | DRY DENSITY (PCF) | PERCENT PROCTOR (%) | CONFORM |
|----------|---|-----------|-----------------|----------------------|-------------------|---------------------|---------|
|          | <u>Along Thomas Road</u>                    |           |                 |                      |                   |                     |         |
| 1        | Near STA.: 25 + 00, on Centerline           | 1         | P/S             | 15.8                 | 100.0             | 95.8                | Yes     |
| 2        | Near STA.: 22 + 00, About 5'S of Centerline | 1         | P/S             | 16.9                 | 105.9             | 101.4               | Yes     |
| 3        | Near STA.: 16 + 00, About 4'N of Centerline | 1         | P/S             | 19.2                 | 100.0             | 95.8                | Yes     |
| 4        | Near STA.: 13 + 00, on Centerline           | 1         | P/S             | 17.2                 | 101.0             | 96.7                | Yes     |

| CURVE ID. | SOIL TYPE  | OPTIMUM MOISTURE (%) | MAX. DRY DENSITY (PCF) | REQUIRED MOISTURE (%) | REQUIRED DENSITY (%) | LAB TEST PROCEDURE  |
|-----------|--|----------------------|------------------------|-----------------------|----------------------|---------------------|
| 1         | Light Brown Clay w/Gravel & Lime (Treated Subgrade Material) | 18.8                 | 104.4                  | 15.8-21.8             | 95                   | ASTM D 698 Method C |

REFERENCE: P/S = Prepared Subgrade/Pavement Section

FIELD TEST PROCEDURE: ASTM D 6938

GAUGE NUMBER: 16

REMARKS: Lift information is provided by contractor.

PERSON NOTIFIED: Mr. Juan Uribe w/R. Gutierrez Engineering

CONTRACTOR: Hidalgo County Pct. 2 - BCAP

\* - Indicates noncompliance with specifications.

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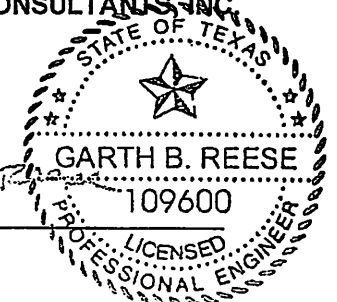
COPIES TO: Above (1)

agapito.vargas@co.hidalgo.tx.us (1)

rgutierrez@rgec.net (1)

RABA KISTNER CONSULTANTS, INC.

BY: *Garth B. Reese*  
 07/01/2013



Updated By: MMR 6/25/2013 2:18:13PM

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## Dennis C. Charkow

---

**From:** Javier Gutierrez <javier@rgec.net>  
**Sent:** Friday, June 14, 2013 10:12 AM  
**To:** Dennis C. Charkow; McAllen Dispatch  
**Cc:** 'Jaime Jaimez'  
**Subject:** Materials Testing - Thomas Road (Jackson Rd to McColl Rd)

Dennis,

R. Gutierrez Engineering Corporation is requesting testing for the Thomas Road project between Jackson Rd & McColl Rd for density, lime & subgrade.

When: Monday, June 17, 2013  
Time: 10:00AM

Regards,  
Javier Gutierrez  
R. Gutierrez Engineering Corporation – Texas Firm #486  
956-782-2557  
javier@rgec.net

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# FIELD TEST REPORT

Soil/Base Material Nuclear Density Test

ATTN.: MR. AGAPITO VARGAS, EXECUTIVE DIRECTOR  
 TO: HIDALGO COUNTY PCT. 2 - BCAP  
 300 W. HALL ACRES ROAD, SUITE G  
 PHARR, TEXAS  
 78577

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 800 East Hackberry  
 McAllen, Texas 78501  
 (956) 682-5332 • FAX(956) 682-5487  
 www.rkci.com  
 TBPE Firm F-3257

PROJECT NO.: AMD13-043-00  
 DATE OF TEST: 06/20/2013  
 ASSIGNMENT NO.: M13-012630  
 REPORT VERSION: A  
 SHEET NUMBER: 1 of 1  
 TECHNICIAN: ALEJANDRO RAY  
 HERNANDEZ

PROJECT: Hidalgo County Pct. 2 Thomas Road Improvements  
 2012, Pharr, Hidalgo County, Texas

| TEST NO. | TEST LOCATION                               | SOIL TYPE | LIFT NO. /DEPTH | MOISTURE CONTENT (%) | DRY DENSITY (PCF) | PERCENT PROCTOR (%) | CONFORM |
|----------|---|-----------|-----------------|----------------------|-------------------|---------------------|---------|
|          | <u>Along Thomas Road</u>                    |           |                 |                      |                   |                     |         |
| 5        | Near STA.: 28 + 00, on Centerline           | 1         | P/S             | 18.8                 | 99.6              | 95.4                | Yes     |
| 6        | Near STA.: 32 + 00, About 8'S of Centerline | 1         | P/S             | 19.2                 | 100.4             | 96.2                | Yes     |
| 7        | Near STA.: 37 + 00, About 8'N of Centerline | 1         | P/S             | 20.1                 | 99.9              | 95.7                | Yes     |

| CURVE ID. | SOIL TYPE  | OPTIMUM MOISTURE (%) | MAX. DRY DENSITY (PCF) | REQUIRED MOISTURE (%) | REQUIRED DENSITY (%) | LAB TEST PROCEDURE  |
|-----------|--|----------------------|------------------------|-----------------------|----------------------|---------------------|
| 1         | Light Brown Clay w/Gravel & Lime (Treated Subgrade Material) | 18.8                 | 104.4                  | 15.8-21.8             | 95                   | ASTM D 698 Method C |

REFERENCE: P/S = Prepared Subgrade/Pavement Section

FIELD TEST PROCEDURE: ASTM D 6938

GAUGE NUMBER: 12

REMARKS: Lift and station information is provided by contractor.

PERSON NOTIFIED: Mr. Uribe w/R. Gutierrez Engineering Corporation

CONTRACTOR: Hidalgo County Precinct No. 2

\* - Indicates noncompliance with specifications.

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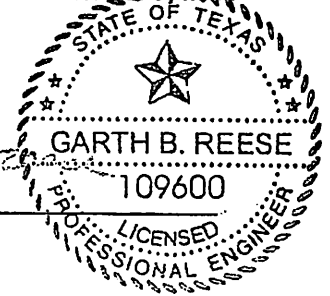
agapito.vargas@co.hidalgo.tx.us (1)

rgutierrez@rgec.net (1)

**RABA KISTNER CONSULTANTS, INC.**

*Garth B. Reese*  
 BY: \_\_\_\_\_

07/01/2013



Updated By: MMR 6/21/2013 4:51:40PM



**Oswaldo Ochoa**

---

**From:** Dennis C. Charkow  
**Sent:** Wednesday, June 19, 2013 11:09 AM  
**To:** jaime@rgec.net  
**Cc:** McAllen Dispatch  
**Subject:** RE: Thomas Road Testing

We will schedule this.  
Please copy [mdispatch@rkci.com](mailto:mdispatch@rkci.com) on all future requests.

Thanks

Dennis

---

**From:** Jaime Jaimez [<mailto:jaime@rgec.net>]  
**Sent:** Wednesday, June 19, 2013 10:47 AM  
**To:** Dennis C. Charkow  
**Subject:** Thomas Road Testing

Dennis,

We need testing on density of lime sub-grade tomorrow at 10am.

Thank you,  
Jaime Jaimez, Jr.  
Personnel/Accounting Manager  
R. Gutierrez Engineering Corporation  
130 E. Park Ave.  
McAllen, TX 78577  
Tel: 956.782.2557  
Fax: 956.782.2558  
Email: [jaime@rgec.net](mailto:jaime@rgec.net)

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7/22/2013

# LABORATORY TESTING REPORT

Moisture-Density Relationship, and Atterberg Limits

ATTN.: MR. AGAPITO VARGAS, EXECUTIVE DIRECTOR  
TO: HIDALGO COUNTY PCT. 2 - BCAP  
300 W. HALL ACRES ROAD, SUITE G  
PHARR, TEXAS 78577



Raba Kistner Consultants Inc.  
800 East Hackberry  
McAllen, Texas 78501  
(956) 682-5332 • FAX(956) 682-5487  
www.rkci.com  
TBPE Firm F-3257

PROJECT NO.: AMD13-043-00  
SAMPLE DATE: 07/02/2013  
ASSIGNMENT NO.: M13-012805  
REPORT VERSION: A  
TECHNICIAN: ROEL GONZALEZ

PROJECT: Hidalgo County Pct. 2 Thomas Road Improvements 2012,  
Pharr, Hidalgo County, Texas

A sample of the following material was obtained by RKCI for laboratory testing : Light Brown Caliche w/Gravel & Lime (Treated Flexible Base Material). This material was obtained from the following location : Composite Sample From Various Locations Along Thomas Road.  
This material was obtained from The Project Site and is intended for use as Treated Flexible Base Material.

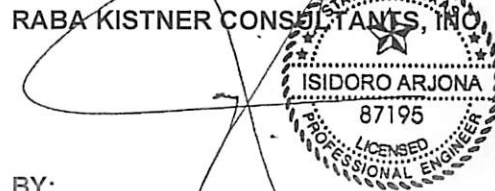
| Moisture-Density Relationship Test, ASTM D 1557 Method C <i>(The Proctor curve is available upon request.)</i> |                  |                       |
|--|------------------|-----------------------|
| Maximum Dry Density, (pcf):  | 111.7            |                       |
| Optimum Moisture Content, (%):   | 16.1             | Tested By: OSCAR CRUZ |
| Atterberg Limits, ASTM D 4318  |                  | Specification Limits  |
| Liquid Limit (LL):   | Non-Determinable | Max.: 40              |
| Plastic Limit (PL):  | Non-Determinable |                       |
| Plasticity Index (PI):   | Non-Plastic      | Max.: 12              |

Tested By: JUAN M. CARRILLO

The maximum dry density and optimum moisture content have been corrected using the procedure outlined in ASTM D 4718, "Correction of Unit Weight and Water Content for Soils Containing Oversize Particles".

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rgutierrez@rgec.net (1)



BY: \_\_\_\_\_  
07/15/2013



Updated By: JMC 7/15/2013 9:18:59AM

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**Dennis C. Charkow**

---

**From:** Jaime Jaimez <[jaime@rgec.net](mailto:jaime@rgec.net)>  
**Sent:** Tuesday, July 02, 2013 10:35 AM  
**To:** Dennis C. Charkow  
**Cc:** McAllen Dispatch  
**Subject:** Thomas Road

Dennis,

We need you to pick up sample of caliche with lime for a proctor today at 3pm.

Thank you,  
Jaime Jaimez, Jr.  
Personnel/Accounting Manager  
R. Gutierrez Engineering Corporation  
130 E. Park Ave.  
Pharr, TX 78577  
Tel: 956.782.2557  
Fax: 956.782.2558  
Email: [jaime@rgec.net](mailto:jaime@rgec.net)

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