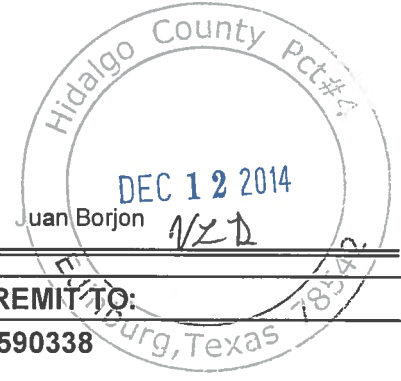


Terracon

INVOICE

1506 Mid Cities Dr.
Pharr, TX 78577
956-283-8254

Project Mgr: Juan Borjon



Project: Mile 17.5 (btwn Ware Rd and West R.O.W. of HCID#1)
Mile 17.5 between Ware and Rooth Road
Edinburg, TX 78539

To: Hidalgo County
Attn: Maria Lucio
1051 N. Doolittle Rd.
Hidalgo County Precinct #4
Edinburg, TX 78542

REMIT TO:
Invoice Number: T590338
Terracon Consultants, Inc. PO Box 843358 Kansas City, MO 64184-3358
Federal E.I.N.: 42-1249917

P.O. Number: 705563

Project Number:	88141019
Invoice Date:	12/01/2014
Services Through:	11/29/2014

Date	Report	Description of Services	Quantity	Rate	Total
11/13/14	88141019.0008	Project Manager, per hour	0.25	\$90.00	\$22.50
11/13/14	88141019.0008	Engineering Technician, hour	3.00	\$43.00	\$129.00
11/13/14	88141019.0008	Trip Charge/Vehicle Charge, each	1.00	\$20.00	\$20.00
11/13/14	88141019.0008	Nuclear Density, per test	4.00	\$12.00	\$48.00

Invoice Total \$219.50

RECEIVED
DEC 04 2014
BY: *Maria Lucio*

FIELD DENSITY TEST REPORT

Report Number: 88141019.0008
Service Date: 11/13/14
Report Date: 11/14/14
Task: Soils



1506 Mid Cities Dr.
Pharr, TX 78577
956-283-8254 Reg No: F-3272

Client

Hidalgo County
Attn: Maria Lucio
1051 N. Doolittle Rd.
Hidalgo County Precinct #4
Edinburg, TX 78542

Project

Mile 17.5 (btwn Ware Rd and West R.O.W. of HCID#1)
Mile 17.5 between Ware and Rooth Road
Edinburg, TX 78539

Project Number: 88141019

Material Information

Mat. No.	Proctor Ref. No.	Classification and Description	Laboratory Test Method	Lab Test Data		Project Requirements	
				Optimum Water Content (%)	Max. Lab Density (pcf)	Water Content (%)	Compaction (%)
1	88141019.0007	Poorly Graded Sand with Silt ✓	ASTM D698	14.5	102.5	±2	95

Field Test Data

Test No.	Test Location	Lift / Elev.	Mat. No.	Probe Depth (in)	Wet Density (pcf)	Water Content (pcf)	Water Content (%)	Dry Density (pcf)	Percent Compaction (%)	
4' x 4' Box Inlets ✓										
1	Station 30+63	Final	1	6	113.2	8.8	8.4 *	104.4	100+	
2	Station 26+00	Final	1	6	110.0	7.5	7.3 *	102.5	100.0	
3	Station 16+50	Final	1	6	114.7	9.2	8.7 *	105.5	100+	
4	Station 101+94	Final	1	6	108.8	8.6	8.6 *	100.2	97.8	

Datum: Serial No: 31517 Std. Cnt. M:691 Std. Cnt. D: 2530

Comments: Test and/or retest results on this report meet project requirements as noted above.
The moisture content on Test Nos. 1-4 are slightly below the specified range; however they were accepted by Terracon's project engineer as they met compaction.

Services: Perform in-place density and moisture content tests to determine degree of compaction and material moisture condition.

Terracon Rep.: Carlos Flores

Reported To: Jesse Alvarez w/Hidalgo County

Contractor:

Report Distribution:

- (1) Hidalgo County, Maria Lucio
- (1) City of McAllen, Emailed
- (1) City of McAllen, Emailed
- (1) Hidalgo County, Emailed
- (1) Hidalgo County, Emailed
- (1) Hidalgo County, Emailed

Reviewed By:

Juan Borjon
Project Manager I-Professional

Test Methods: ASTM D2922, ASTM D3017

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.

Zimbra

Mile 17-1/2 Road Paving and Drainage Improvements

From : Jesse Alvarez <jose.alvarez@co.hidalgo.tx.us>

Thu, Nov 13, 2014 04:57 PM

Subject : Mile 17-1/2 Road Paving and Drainage Improvements

To : Juan Borjon <jmborjon@terracon.com>

Cc : Maria Lulu Lucio <maria.lucio@co.hidalgo.tx.us>, Raul Sesin <raul.sesin@co.hidalgo.tx.us>, Areanna E. Yzaguirre <areanna.yzaguirre@co.hidalgo.tx.us>, Roman Rodriguez <roman.rodriguez@co.hidalgo.tx.us>, eddie gonzalez <eddie_gonzalez@mcallen.net>

Good Afternoon Mr. Borjon,

Please see below for Testing Request,

Date of Service Requested: 11/13/2014 ✓

Project Name/Location: County of Hidalgo Precinct No. 4 Mile 17-1/2 Rd. Paving and Drainage Improvements

Time of Needed Services: 10:30 AM

Type of Service Requested: Sand Back-fill Densities for 24 " RCP Drainage Crossings ✓

Thank You

Jesse Alvarez
Construction Inspector
Hidalgo County Engineering Projects Office
301 East State St.
Pharr, Texas 78577
956-292-7000 ext. 2029
956-533-3992 Mobile
jose.alvarez@co.hidalgo.tx.us
County of Hidalgo Precinct No. 2

TABLE 1
ESTIMATED FEE SUMMARY

Our fee estimate is in accordance with the time and tests performed as shown below.

SOILS

Estimate 150 hours field testing and observation @ \$43/hour.....	\$ 6,450
Estimate 3 standard proctors @ \$200/test.....	\$ 600
Estimate 1 modified proctors @ \$200/test.....	\$ 200
Estimate 4 Atterberg Limits @ \$60/test.....	\$ 240
Estimate 4 sieve analysis (-200) @ \$60/test.....	\$ 240
Estimate 1 Texas Triaxial Test (TEX 117-E) @ \$1,250/test.....	\$1,250
Estimate 130 nuclear density tests (every 300 linear feet at every 6" lift) @ \$12/test.....	\$ 1,560
Estimate 50 vehicle trips @ \$20/trip.....	\$ 1,000
<i>Sub-Total (Soils).....</i>	<i>\$ 11,540</i>

ASPHALT

Estimate 30 hours asphalt observation @ \$43/hour.....	\$ 1,290
Estimate 2 asphalt mix verification @ \$250/test.....	\$ 500
Estimate 10 asphalt cores @ \$40/core.....	\$ 400
Estimate 10 vehicle trips @ \$20/trip.....	\$ 200
<i>Sub-Total (Asphalt).....</i>	<i>\$ 2,390</i>
Project Manager 12 hours @ \$90/hour.....	\$ 1,080
<i>Total Cost.....</i>	<i>\$ 15,010</i>

EXHIBIT C

SCHEDULE OF FEES for CONSTRUCTION MATERIALS ENGINEERING and RELATED TESTING AND INSPECTION SERVICES

Construction Materials Testing and Observation Field Services

Engineering Technician to Perform the Following Services/Tests:

Pick-up concrete test specimens or sampling materials, per hour	\$43.00
Concrete field monitoring & molding of cylinders, slump, air content, & temperature measurements, per hour.....	\$43.00
Concrete or asphalt coring, per hour	\$43.00
plus bit wear (length times diameter), per inch diameter.....	\$1.00
plus generator, per day.....	\$150.00
plus core rig and equipment, per day	\$150.00
plus patching of holes, each.....	\$15.00
saw cut (square inch).....	\$.50
In-place nuclear moisture-density testing, per hour.....	\$43.00
In-place nuclear moisture density tests, each	\$12.00
In-place nuclear moisture-density gauge, per trip.....	\$50.00
Field soil stabilization (lime or cement) per hour	\$43.00
Reinforcing steel inspection, per hour.....	\$43.00

Senior Engineering Technician to Perform the Following Services/Tests:

Full time earthwork observation, per hour.....	\$43.00
Foundation installation observation, per hour.....	\$43.00
Concrete and asphalt batch plant inspection, per hour.....	\$65.00
Windsor probe or Swiss hammer testing, per hour.....	\$65.00
plus Windsor probe or Schmidt hammer, per day.....	\$40.00
plus Windsor probe shots, each.....	cost + 15%

Steel and Welding Inspection:

Visual field welding inspection and welder qualification, per hour.....	\$90.00
Certified NDE inspector (Dye Penetrant/magnetic particle), per hour	\$90.00

Transportation Charges (Applied In Addition to all Personnel Hourly Rates):

Vehicle trip charge	\$20.00
Trips to locations other than job site or job sites over 40 miles, per mile.....	\$0.75

A minimum of 24 hours advance notice is requested for scheduling or canceling field inspection and testing services. Work scheduled with less than 24 hours notice will be serviced subject to available personnel.

Construction Materials Laboratory Testing Services

(The price for tests in this section are based on a per sample or per test basis.)

Particle size analysis:

Sieve analysis up to 200 sieve:	
Dry, each (5 sieve maximum)	\$60.00
Washed, each (5 sieve maximum)	\$75.00
Percent finer than 200 sieve	
(washed, soil only), each	\$60.00
Atterberg limits	\$60.00
Compression testing of concrete cylinders, each	\$13.00
Flexural testing of concrete beams, each.....	\$25.00
Curing, capping and compressive strength testing of concrete cores, each	\$35.00
Moisture-density relationship, Proctor:	
Soil (ASTM D-698), each (4" mold).....	\$200.00 ✓
Soil (ASTM D 1557), each (4" mold)	\$200.00
Soil with gravel, base materials (6" mold) or THD, each	\$250.00

Soil, base material with admixtures (6" mold), each.....	\$250.00
Texas Triaxial Test (TEX 117-E).....	\$1,250.00
Testing of bituminous materials:	
Asphalt Mix Verification:	
(Molding specimens, specific gravity, Extraction/Gradation (set of 3)	\$250.00
Stability (set of 3)	\$75.00
Index of retained stability (C.O.E.), each	\$150.00
Maximum theoretical specific gravity	\$75.00
In-place cores (per core sample).....	\$40.00
Preparation of samples/materials will be charged for all	
laboratory tests, when applicable, on an hourly basis	\$43.00

Engineering and Support Staff

Personnel:	Rate, Hour
Draftsperson/Secretary	\$45.00
Engineering Technician	\$43.00
Senior Engineering Technician	\$43.00
Laboratory/Field Supervisor.....	\$65.00
Certified Steel/Welding Inspector.....	\$90.00
Staff Engineer/CMT Project Manager.....	\$90.00
CME Manager	\$90.00
Senior Project Manager/Senior Engineer, P.E.....	\$120.00
Consultant, Client Representative, Project Principal, P.E.	\$125.00

The applicable field rate will be invoiced for all hours worked, including travel time, report and sample preparation. Technician time will be invoiced on a portal-to-portal basis from our office. Overtime rates of 1.33 times the regular hourly rates will be charged for time worked outside normal workday hours of 8:00 am to 5:00 pm and over eight (8) hours per day, Monday through Friday and all day Saturday. Hours worked on, or holidays will be invoiced at the rate of 2.0 times the regular hourly rates. A minimum three (3)-hour billed per visit to project site will be invoiced; hours will be rounded up to the next whole number. A 5 percent technical review and administration cost will be added to all invoices.

Out-of-town subsistence and travel expenses incurred by an employee in connection with the project will be invoiced at cost plus 15 percent or at a Per Diem rate of \$125.00 per day per individual. Use of company vehicles will be charged on the basis of \$0.75 per mile.

General Information

Expenses incurred in connection with the project will be invoiced at cost plus 15 percent. These expenses may include the following:

Services directly applicable to the work, such as special legal and accounting expenses, special consultants, subcontractor services, and similar costs that are not applicable to general operating expenses. Identifiable communication expenses, such as long distance telephone, facsimile, telegraphy, cable, express delivery charges, postage, and similar costs that are not applicable to general correspondence and/or operating expenses.

Identifiable processing and reproduction costs applicable to the project, such as developing, blueprinting, photocopying, printing, and similar costs that are not applicable to general operating expenses.

Invoices will be submitted monthly for work in progress and are due and payable 30 days from invoice date. Interest will be charged at the rate of 1.5 percent per month for late payments. Information and corresponding fees for special services and testing not presented herein will be furnished upon request.