



# Invoice

Date	Invoice #
10/5/2010	09M50-8

Millennium Engineers Group, Inc.  
 PO Box 4569  
 Edinburg, Texas 78540-4569

Bill To
Hidalgo County Precinct No. 2-BCAP Commissioner Hector Palacios 301 E. State St. Pharr, Texas 78577

*C-CAP. 08.023a.09.02*      *9/21/08 - 12/31/09*

**DIRECT PAYMENT REF. P.O.# 563494**  
**CLAIMS AI-23393 10/19/10**  
**0-131-431-00-122-605-1-339 → \$274.75**  
**RED BARN SUBDIVISION**

Terms	Due Date	MEG Project
	10/5/2010	09M50-Red Barn Subdivision

Description	Qty	Rate	Amount
Nuclear Density Test	3	22.00	66.00
Vehicle Trip Charge	1	35.00	35.00
Engr. Technician (Asphalt)	2.5	43.00	107.50
Test Report	1	30.00	30.00
Clerical/Administrative	0.5	40.00	20.00
Project Management & Coordination	0.25	65.00	16.25

INVOICE RECEIVED BY:  
*Mancee Jackson* ON *10/12/10*  
 GOODS/SERVICES RECEIVED BY:  
*Mancee Jackson* ON *10/12/10*

We thank you for your prompt payment. Please remit to the above address.	<b>Total</b> \$274.75
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Phone #	Fax #
(956) 383-8522	(956) 383-0295

Payments/Credits	\$0.00
<b>Balance Due</b>	\$274.75

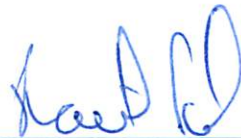
## Summary of Asphalt Rolling Pattern Report

Project Description: Red Barn  
Client: Hidalgo County Precinct No. 2  
Engineer: R. Gutierrez Engineering  
Architect: N/A  
Contractor: N/A

M.E.G. Report Number: 09M50-8-1  
Date Tested: 05-21-09  
Date Reported: 05-22-09  
Location Tested: Pecan Street  
Material Source: N/A  
Material Type: D

<u>Density No.</u>	<u>Test Station and Location</u>	<u>Density, %</u>	<u>Air Voids, %</u>
1	Pecan Street Station 7+50 5' S of CL	97.0	3.0
2	Pecan Street Station 4+00 5' N of CL	95.0	5.0
3	Pecan Street Station 1+00 5' S of CL	93.3	6.7

Remarks: A rolling Pattern was established using a Thin Layer Nuclear Density Gauge. An Ingram steel-wheeled breakdown roller and an Ingersol Rai steel-wheeled vibratory roller (Model DD-32) were used for the initial and intermediate compaction of the asphalt mat. Further compaction of the asphalt surface was achieved by the use of a pneumatic roller after the initial rolling operation. Target Maximum Density used was 151 TxDot item 340 specifies 91 to 95 percent density.



Raul Palma, Senior Materials Engineer