

**APPLICATION FOR PAYMENT NO. 2**

To: Hidalgo County (OWNER)  
 From: J.M. CONSTRUCTION (CONTRACTOR)  
 Contract: COLONIA ACCESS PROGRAM  
 Project: "ROAD & DRAINAGE CONSTRUCTION OF BERNAL-HIGHLAND SUBDIVISION"  
 OWNER's Contract No. C-CAP-08-004-02-20 ENGINEER's Project No. 2C-1080-105 & 071  
 For Work accomplished through the date of: 10-02-2008.

1. Original Contract Price:	\$ <u>168,786.50</u>
2. Net change by Change Orders and Written Amendments (+ or -):	\$ _____
3. Current Contract Price (1 plus 2):	\$ <u>168,786.50</u>
4. Total completed and stored to date:	\$ <u>109,333.50</u>
5. Retainage (per Agreement):	
<u>10</u> % of completed Work:	\$ <u>10,933.35<sup>d</sup></u>
_____ % of stored material:	\$ <u>0.00</u>
Total Retainage:	\$ <u>10,933.35</u>
6. Total completed and stored to date less retainage (4 minus 5):	\$ <u>98,400.15</u>
7. Less previous Application for Payments:	\$ <u>50,980.95</u>
8. DUE THIS APPLICATION (6 MINUS 7):	\$ <u>47,419.20</u>

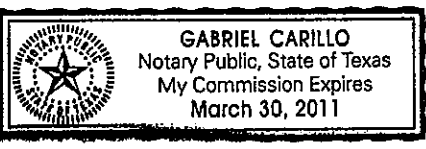
Accompanying Documentation: 8-1311-431-00-121-318-1-733-\$5,193.56 - (-519.36) = \$4,674.20  
 CONTRACTOR'S Certification: 8-1311-431-00-121-318-1-734-\$38,502.00 - (-3,850.20) = \$34,651.80  
8-1201-431-00-121-005-0-733-\$8,992.44 - (-899.24) = \$8,093.20

The undersigned CONTRACTOR certifies that (1) all previous progress payments received from OWNER on account of Work done under the Contract referred to above have been applied on account to discharge CONTRACTOR's legitimate obligations incurred in connection with Work covered by prior Applications for Payment numbered 1 through \_\_\_\_\_ inclusive; (2) title of all Work, materials and equipment incorporated in said Work or otherwise listed in or covered by this Application for Payment will pass to OWNER at time of payment free and clear of all Liens, security interests and encumbrances (except such as are covered by a Bond acceptable to OWNER indemnifying OWNER against any such Lien, security interest or encumbrance); and (3) all Work covered by this Application for Payment is in accordance with the Contract Documents and not defective.

Dated 12-2-08 J.M. Construction  
 \_\_\_\_\_  
 CONTRACTOR  
 By: [Signature]

State of Texas  
 County of Hidalgo  
 Subscribed and sworn to before me this 2  
 day of Dec., 2008

[Signature]  
 Notary Public  
 My Commission expires: \_\_\_\_\_



Payment of the above AMOUNT DUE THIS APPLICATION is recommended.


Dated 12-02-2008 TEDSI Infrastructure Group  
 \_\_\_\_\_  
 ENGINEER  
 By: [Signature]

INVOICE RECEIVED BY:  
[Signature] ON 10/3/08  
 GOODS/SERVICES RECEIVED BY:  
[Signature] ON 10/3/08

JM Construction Contractor Name  
 07-03-2008 Starting Date  
 10-31-2008 Project Ending Date  
 10% Retainage Percent

Application No. 2  
 Application Date: 12-01-2008  
 Period To: 10-02-2008  
 Engineer Firm: TEDS Infrastructure Group

Summary													
CS.#	PROJECT NAME	Original Schedule Value	Revised Schedule Value	Payment Application No 1	Payment Application No 2	Payment Application No 3	Payment Application No 4	Total To Date	Balance To Finish	Retainage	Net	Payment To Date	Payment Due
2C-1080-392	Bernal - Highland	\$168,786.50	\$0.00	\$0.00 <del>56,416.50</del>	\$52,888.00	\$0.00	\$0.00	\$109,333.50	\$59,453.00	\$5,288.00	\$47,449.20	\$109,333.50	\$47,419.20

Prepared and Checked By:  Signature: Jose A. Sanchez  
 Printed Name: Jose A. Sanchez  
 Date: 12/03/2008

Spoke to Jose Sanchez 12/4/08 3:38  
 will make corrections + re submit.  
 AG

JM Construction Contractor Name  
 07-03-2008 Starting Date  
 10-31-2008 Project Ending Date  
 10% Retainage Percent

Application No. 2  
 Application Date: 12-01-2008  
 Period To: 10-02-2008  
 Engineer, Firm: TEDSI Infrastructure Group

Summary													
CSJ#	PROJECT NAME	Original Schedule Value	Revised Schedule Value	Payment Application No 1	Payment Application No 2	Payment Application No 3	Payment Application No 4	Total To Date	Balance To Finish	Retainage	Net	Payment To Date	Payment Due
2C-1080-392	Bernal - Highland	\$168,786.50	\$0.00	\$0.00	\$52,688.00	\$0.00	\$0.00	\$109,333.50	\$59,453.00	\$5,268.80	\$47,419.20	\$109,333.50	\$47,419.20

Prepared and Checked By:

Signature:

Printed Name:

Date:

*[Handwritten Signature]*  
 Jose A. Sanchez

12/02/2008

Estimate Quantity Update Worksheet  
 Date: December 1, 2008  
 Contractor: J.M. Contruction  
 Project No: C-CAP-08-004-02-20  
 County: Hidalgo County Precinct No. 1  
 Est. No: 2

Date Began: July 3, 2008  
 Contract Time: 120  
 Time Charged: 62  
 % Time Used: 51.67%


Work Type: Paving and Drainage  
 Limits: From: Bernal & Highland Subdivision  
 To:

ITEM NO.	DESCRIPTION	UNIT	PROJECT QTY	Unit Price	Project Amount	July			August			Up to September 4, 2008			September 5 - October 2, 2008		
						MONTHLY QUANTITY	QTY to Date	Item Cost (Monthly)	MONTHLY QUANTITY	QTY to Date	Item Cost (Monthly)	MONTHLY QUANTITY	QTY to Date	Item Cost (Monthly)	MONTHLY QUANTITY	QTY to Date	Item Cost (Monthly)
(901) ADMINISTRATIVE																	
(902) PRELIMINARY ENGINEERING																	
(903) CONSTRUCTION ENGINEERING																	
(904) RIGHT-OF-WAY																	
(905) ROADWAY CONSTRUCTION																	
100	PREP P.O.W.	STA	16.03	\$400.00	\$6,412.00	16.030	16.030	0	\$0.00	0	\$0.00	0	0	0	\$0.00	0	\$0.00
134	Backfill (TY B)	STA	16.03	\$200.00	\$3,206.00	0	0	16.030	\$3,206.00	16.030	\$3,206.00	0	0	0	\$0.00	0	\$0.00
247	FLBS (Rwy Del)(TY D, GR B, CL 4)	CY	831	\$20.00	\$16,620.00	0	0	831.000	\$16,620.00	0	\$0.00	0	0	0	\$0.00	0	\$0.00
310	ASPH MATRL (MC-30)	GAL	891	\$5.00	\$4,455.00	0	0	0	\$0.00	0	\$0.00	0	0	0	\$0.00	891.000	\$4,455.00
340	ASPH Concrete (TY D)	TON	365	\$81.00	\$29,565.00	0	0	0	\$0.00	0	\$0.00	0	0	0	\$0.00	365.000	\$29,565.00
500	Mobilization	LS	1	\$1,000.00	\$1,000.00	1.000	1.000	0	\$0.00	0	\$0.00	0	0	0	\$0.00	0	\$0.00
502	Barricades, Signs and Traffic Handling	MO	1	\$2,000.00	\$2,000.00	1.000	1.000	0	\$0.00	0	\$0.00	0	0	0	\$0.00	0	\$0.00
530	Turnouts (ASPH-CONC-PAV)(PB-2)	SY	202	\$21.00	\$4,242.00	0	0	0	\$0.00	0	\$0.00	0	0	0	\$0.00	202.000	\$4,242.00
2500	EN-1 TREATED FLEX BASE	SY	4987	\$2.50	\$12,467.50	0	0	0	\$0.00	0	\$0.00	4987.000	4987.000	0	\$0.00	0	\$0.00
2500	EN-1 ROADBOND	GAL	28	\$90.00	\$2,520.00	0	0	0	\$0.00	0	\$0.00	28.000	28.000	0	\$0.00	0	\$0.00
5249	Temporary Sediment Control Fence	LF	80	\$4.00	\$320.00	80.000	80.000	0	\$0.00	0	\$0.00	0	0	0	\$0.00	0	\$0.00
5249	Temporary Sediment Control Fence (Remtow)	LF	80	\$3.00	\$240.00	0	0	0	\$0.00	0	\$0.00	0	0	0	\$0.00	80.000	\$240.00
(906) DRAINAGE																	
464	18" RCP (CL III)	LF	80	\$30.00	\$2,400.00	0	0	80	\$2,400.00	0	\$0.00	0	0	0	\$0.00	0	\$0.00
467	SET (TY II)(18 IN)(RCP)Ø	EA	2	\$600.00	\$1,200.00	0	0	2	\$1,200.00	0	\$0.00	0	0	0	\$0.00	0	\$0.00
530	Driveways (CONC.)14"	SY	82	\$90.00	\$7,380.00	0	0	0	\$0.00	0	\$0.00	0	0	0	\$0.00	82	\$7,380.00
530	Driveways (ASPH-CONC-PAV)(PB-1)	SY	451	\$26.00	\$11,726.00	0	0	0	\$0.00	0	\$0.00	0	0	0	\$0.00	451	\$11,726.00
556	15" Corrugated Pipe	LF	500	\$17.00	\$8,500.00	0	0	500.000	\$8,500.00	0	\$0.00	0	0	0	\$0.00	0	\$0.00

Monthly Totals:	\$9,732.00	\$31,926.00	\$14,987.50	\$52,688.00
ADMINISTRATIVE (901)				
PRELIMINARY ENGINEERING (902)				
CONSTRUCTION ENGINEERING (903)				
RIGHT-OF-WAY (904)	\$9,732.00	\$19,826.00	\$14,987.50	\$38,502.00
Roadway (904)	\$0.00	\$12,100.00	\$0.00	\$14,186.00
Drainage (904)				

8-1311-431-00-121-318-1-733 - \$5193.56 - 519.367 = \$41,674.20  
 8-1311-431-00-121-318-1-734 - \$38,502.00 - 3,850.207 = \$34,651.80  
 8-1201-431-00-121-005-0-733 - \$8,998.44 - 899.844 = \$8,098.60  
 12/03/2008

Total to Date  
 Roadway (903): \$63,047.50  
 Drainage (904): \$26,286.00  
 Total: \$109,333.50

Prepared and Checked By:   
 Signature: Jose A. Sanchez  
 Printed Name: Jose A. Sanchez

**J.M. CONSTRUCTION**

---

3701 Jade Street  
Weslaco, Texas 78596  
956-565-5222  
956-514-4955 ( FAX )  
[jm4955@aol.com](mailto:jm4955@aol.com)

11/14/2008

To: TEDSI Infrastructure Group  
1201 E. Expressway 83  
Mission, Texas 78572

Proj: Road & Drainage Construction for Highland and Bernal Subdivisions - CAP-08-004-<sup>02 20</sup>~~01-08~~-LRM

Attn: Joe Vasquez

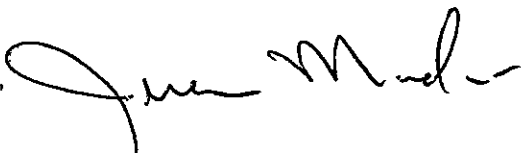
Re: Highland and Bernal Subdivisions  
Materials Suppliers Pay Request 2

Dear Joe,

The following is a list of material suppliers for the above referenced project. Please call if you have any questions.

1. Frontera Materials, Inc.  
P.O. Box 1917  
Weslaco, Texas 78599  
1-956-968-0349

Sincerely,



Juan Mendoza  
President

PARTIAL/FINAL WAIVER OF LEIN

THE STATE OF TEXAS

COUNTY OF Hidalgo

The undersigned contracted with Hidalgo County  
to furnish Bernal and Highland Subdivisions  
in connection with certain improvements to real property located in Hidalgo  
County, Texas, and owned by Hidalgo County Precinct One  
Which improvements are described as follows:

Road and Drainage Construction for Bernal  
and Highland Subdivisions  
CAP-08-004-01-09-LRM

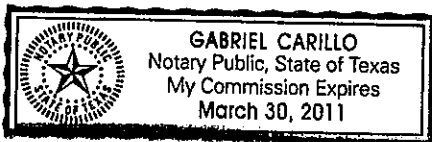
In consideration of Pay Estimate No. 2 in the amount of Forty seven thousand five hundred  
nineteen dollars and twenty cents DOLLAR (\$ 47,419.20 ) and other good and  
valuable consideration, the receipt and sufficiency of which is hereby acknowledged and confessed, the  
undersigned does hereby waive and release any mechanic's lien or materialmen's lien or claims of lien that  
the undersigned has or hereafter has on the above mentioned real property on account of any labor  
performed or materials furnished or to be furnished or labor performed and materials furnished by the  
undersigned pursuant to the above-mentioned contract or any constitutional lien that the undersigned may  
have.

Undersigned hereby guarantees that all bids for labor performed and/or materials furnished in the erection  
and construction of such improvements on the Property have been fully paid and satisfied and Undersigned  
does further guarantee that if for any reason a lien or liens are filed for material or labor against said  
Property arising out of any bills for material or labor in connection with the erection or construction of said  
improvements thereon, Undersigned will obtain a settlement of such lien or liens and a proper release  
thereof shall be obtained.

Juan M. Lopez  
CONTRACTOR

By: President  
TITLE

SWORN TO AND SUBSCRIBED BEFORE ME, on this the 14 day of Nov., 2008, to  
certify which witness my hand and seal of office.



[Signature]  
NOTARY PUBLIC in and for the State of Texas

My Commission Expires:

\_\_\_\_\_

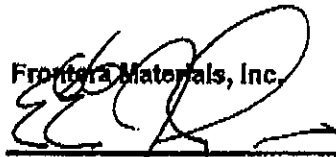
\_\_\_\_\_

**WAIVER OF LIEN**

Hidalgo County Precinct #1  
Hidalgo County, Texas  
Highland and Bernal Subdivisions CAP-08-004-01-09-LRM

Re: Highland and Bernal Subdivisions ( Pay Request 2 )

In consideration of payment upon receipt of \$23,616.44 ( Invoice # 208-14097 ) which is hereby acknowledged, Frontera Materials, Inc. waives and releases any lien for materials furnished to J.M. Construction for use on the project commonly known as Highland & Bernal Subdivisions located in Hidalgo County, Texas. Frontera Materials, Inc. acknowledges that all payments hereto received on amount of materials furnished to the project have been accepted in full satisfaction of the liens or right to lien, waived hereunder. Provided further, that this release shall not become effective until all checks given us as part of the consideration hereof, shall have been honored and paid in full.

Frontera Materials, Inc.  
  
\_\_\_\_\_

STATE OF TEXAS


COUNTY OF Hidalgo

Subscribed and sworn to before me, the undersigned authority, on this the 19th day of

November 2008 to certify which, witness my hand and seal of office.



My commission expires 10-30-2011


  
\_\_\_\_\_  
Notary Public, State of Texas  
Notary's Name Printed:  
\_\_\_\_\_



Construction Project Inspection Diary

	Bernal	Highland								Date: 9/05/08
Equipment & Force	0+22.00-10+37	0+40--18+43								Construction Activities and Comments:
Motorgrader		1								
Front End Loader										Crew watered down and compacted roadway. 12
Water Truck		1								Gallons of EN-1 placed. "Men At Work" signs.
Tandem Roller										
Backhoe Loader		1								
Dump Truck										
Smooth Drum Roller		1								
Pneumatic Roller										
Crew Truck		1								
Steel Wheel Roller										
Labor Force At Site:		3								
Labor Force At Site:										
Skilled:										
Intermediate:										
Unskilled:										
Weather: Clear: 95 degrees										
Time Charged Comments: 1 Day										
Signature:										
<i>John Paul Stupp</i>										

Construction Project Inspection Diary

	Bernal	Highland								Date: 9/08/03
Equipment & Force	0+22.00-10+37	0+40--16+43								Construction Activities and Comments:
Motorgrader		1								
Front End Loader		1								Crew set & cut blutop on the North East end of
Water Truck		1								Central Avenue. L & G Lab testing was requested
Tandem Roller		1								for caliche compaction from J & M Construction
Backhoe Loader										at a section that was yet to be mixed with EN-1.
Dump Truck										Contract issues have delayed testing. "Men At
Smooth Drum Roller										Work" signs placed at location.
Pneumatic Roller		1								
Crew Truck		1								
Steel Wheel Roller										
Labor Force At Site:		3								
Labor Force At Site:										
Labor Force At Site:										
Skilled:										
Intermediate:										
Unskilled:										
Weather: Clear: 89 degrees										
Time Charged Comments: 1 Day										
Signature:										
										



































Construction Project Inspection Diary

	Bernal	Highland								Date: 10/01/08
Equipment & Force	0+22.00-10+37	0+40-16+43								Construction Activities and Comments:
Motorgrader		1								
Front End Loader										Crew placed 891 Gallons of MC-30 on roadway
Prime Truck		1								and Driveways. Crew placed 55 Tons of hot mix
Tandem Roller										on Driveways.
Backhoe Loader		1								Crew placed "Men At Work" signs.
Dump Truck										
Smooth Drum Roller		1								
Paver		1								
Crew Truck		1								
Steel Wheel Roller										
Labor Force At Site:		3								
Labor Force At Site:										
Skilled:										
Intermediate:										
Unskilled:										
Weather: Clear: 91 degrees										
Time Charged Comments: 1 Day										
Signature:										
										

Construction Project Inspection Diary

	Bernal	Highland								Date: 10/02/08
Equipment & Force	0+22.00-10+37	0+40-16+43								Construction Activities and Comments:
Motorgrader										
Front End Loader										Crew placed 110 Tons of hot mix on Central Avenue.
Water Truck										Crew placed "Men At Work" signs.
Tandem Roller										
Backhoe Loader		1								
Dump Truck										
Vibratory Roller		1								
Paver		1								
Crew Truck		1								
Steel Wheel Roller										
Labor Force At Site:		5								
Labor Force At Site:										
Silled:										
Intermediate:										
Unskilled:										
Weather: Clear: 89 degrees										
Time Charged Comments: 1 Day										
Signature:										
										





# L&G Engineering Laboratory

Construction Material Testing  
Geotechnical Engineering

2100 W. Expressway 83 Mercedes, TX 78570 (956) 565-0760  
900 S. Stewart Rd. Ste. 10 Mission, TX 78572 (956) 583-7117

## ATTERBERG LIMITS TEST REPORT

Project Description: Highland Subdv. (Central Ave.)

Client:

Engineer: TEDSI Engineering

Contractor: JM Construction

L&G Project Number: L155811

L&G Report Number: R001

Sample Date: 09/08/2008

Date Reported: 09/11/2008

---

Client PO: 608842

Field Number: 009

Page 1 of 1

Description: Base Material

Liquid Limit: 33

Plastic Limit: 20

Plasticity Index: 13

Test Method (As Applicable): ASTM D4318

(1-cc copy)

(1-cc copy)

1-cc TEDSI Engineering Attn: Joe Vasquez

1-cc JM Construction

1-cc Hidalgo County Pct. #2 Attn: Agapito Vargas

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 Mercedes, TX 78570 (956) 565-0760  
900 S. Stewart Rd. Ste. 10 Mission, TX 78572 (956) 583-7117

## PROCTOR TEST REPORT

Project Description: Highland Subdv. (Central Ave.)

Client:

Engineer: TEDSI Engineering

Contractor: JM Construction

L&G Project Number: L155811

L&G Report Number: R002

Sample Date: 09/08/2008

Date Reported: 09/11/2008

Client PO: 608842

Field Number: 009

Page 1 of 1

Compaction Method: ASTM D-698

Material Description: Base Material

Specific Gravity: 2.65

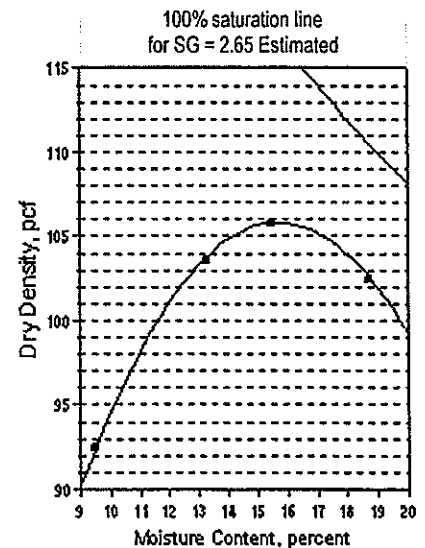
% Passing No. 200: 0.0

Group Symbol:

Specimen No.:	1	2	3	4
Moisture, %:	9.5	13.2	15.6	18.7
Dry Density (pcf):	92.5	103.5	105.8	102.6

Maximum Dry Density in P.C.F.: 105.8

Optimum Moisture (%): 15.7



Remarks: Minus 200 not performed

Test Method: ASTM D-698 Method-A

(1-cc copy)

(1-cc copy)

1-cc TEDSI Engineering Attn: Joe Vasquez

1-cc JM Construction

1-cc Hidalgo County Pct. #2 Attn: Agapito Vargas

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 Mercedes, TX 78570 (956) 565-0760  
900 S. Stewart Rd. Ste. 10 Mission, TX 78572 (956) 583-7117

## SIEVE ANALYSIS TEST REPORT

Project Description: Highland Subdv. (Central Ave.)

L&G Project Number: L155811

Client:

L&G Report Number: R003

Engineer: TEDSI Engineering

Sample Date: 09/09/2008

Contractor: JM Construction

Date Reported: 09/11/2008

Client PO: 608842

Field Number: 006

Page 1 of 1

<u>Sieve</u>	<u>% Retained</u>	<u>Low</u>	<u>High</u>
2 in	0	0	0
1/2 in	16	20	60
No. 4	48	40	75
No. 40	96	70	90

Remarks: **Wet Ball Mill Value (24%)**

Test Method (As Applicable): Tex Method 401-A

(1-cc copy)

(1-cc copy)

1-cc TEDSI Engineering Attn: Joe Vasquez

1-cc JM Construction

1-cc Hidalgo County Pct. #2 Attn: Agapito Vargas

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 Mercedes, TX 78570 (956) 565-0760  
900 S. Stewart Rd. Ste. 6 Mission, TX 78572 (956) 583-7117

## FIELD DENSITIES TEST REPORT

Project Description: Highland Subdv. (Central Ave.)(CAP)  
Client: Hidalgo County Pct. #1  
Engineer: TEDSI Engineering  
Contractor: JM Construction

L&G Project Number: L155811  
L&G Report Number: R004  
Sample Date: 10/01/2008  
Date Reported: 10/01/2008

Client PO: 608842

Page 1 of 1

Material Description	Caliche		
Required % Proctor	98	Moisture Tolerance	15.7
	Proctor No	Optimum % Moisture	Opt. Density, LB/CF
	L155811-1	15.7	105.8

Test No.	Test Location	Proctor No	Moisture Content	Dry Density	Percent Compaction	Depth (inch)
1	Central St. w/Inter of Mile 9 150ft North	L155811-1	13.0%	107.6 pcf	101.7% (Pass)	6"
2	Central St. w/Inter of Mile 9 250ft North	L155811-1	13.0%	118.4 pcf	111.9% (Pass)	6"
3	Central St. w/Inter of Mile 9 300ft North	L155811-1	13.2%	118.4 pcf	111.9% (Pass)	6"

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

(1-cc copy)  
(1-cc copy)  
1-cc TEDSI Engineering Attn: Joe Vasquez  
1-cc JM Construction  
1-cc Hidalgo County Pct. #2 Attn: Agapito Vargas  
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 Mercedes, TX 78570 (956) 565-0760  
900 S. Stewart Rd. Ste. 6 Mission, TX 78572 (956) 583-7117

## SUMMARY OF ASPHALT ROLLING PATTERN TEST REPORT

Project Description: Highland Subdv. (Central Ave.)(CAP)  
Client: Hidalgo County Pct. #1  
Engineer: TEDSI Engineering  
Contractor: JM Construction

L&G Project Number: L155811  
L&G Report Number: R005  
Sample Date: 10/02/2008  
Date Reported: 10/02/2008

Client PO: 608842

Page 1 of 1

**Material Description:** Caliche  
**Material Source:** Frontera  
**Specification:** TxDOT Item 340 (Ty D)

Rolling Pattern Location	Density (%)	Air Voids (%)
Central St 1520ft N of Mi. 9 Inter. 1ft S of C.L.	90.5	9.5
Central St. 1510ft N of Mi. 9 Inter. 3ft S of C.L.	92.0	8.0
Central St. 1500ft N of Mi. 9 Inter. 6ft S of C.L.	91.1	8.9

Procedure: A Rolling Pattern was established using a Troxler Model Number 3500 Nuclear Density Gauge. Further compaction of the asphalt surface was achieved by the use of a Pnumatic roller after the initial rolling operation. Target Maximum Density used was 150 Lbs/Cf. TxDot Item 340 specifies a target in place density of 91 to 95 percent.

**Remarks:**

**Test Method (As Applicable):**

- (1-cc copy)
- (1-cc copy)
- 1-cc TEDSI Engineering Attn: Joe Vasquez
- 1-cc JM Construction
- 1-cc Hidalgo County Pct. #2 Attn: Agapito Vargas
- 1-cc Laboratory

Respectfully Submitted,  
L&G Engineering Laboratory

Ricardo A. Gil, Lab Manager



**BITUMINOUS MIXTURE PROPERTIES  
TEST REPORT**

Project Description: Highland Subdv. (Central Ave.)(CAP)  
Client: Hidalgo County Pct. #1  
Engineer: TEDSI Engineering  
Contractor: JM Construction

L&G Project Number: L155811  
L&G Report Number: R006  
Sample Date: 10/02/2008  
Date Reported: 10/02/2008

Client PO: 608842

Page 1 of 1

**Material Description:** Hot Mix Asphalt Paving  
**Material Source:** Frontera  
**Specification:** TxDOT Item 340 (Ty D)

Sieve Size	Result (% Passing)	Ty D Fine Surface Requirement
1/2"	100.0	100.0
3/8"	96.0	85-100
No. 4	65.0	50-70
No. 10	35.0	32-42
No. 40	22.0	11-26
No. 80	12.0	4-14
No. 200	5.0	1-6*

**Tex-236-F Asphalt Content (Ignition Method)**

Asphalt Content = 4.9% (design value)

**Tex-227-F Theoretical Maximum Specific Gravity of Bituminous Mixtures**

(Rice Gravity) Gr = 2.494 (design value)

**Tex-207-F Density of Compacted Bituminous Mixtures**

(Bulk Specific Gravity) Ga = 2.432 (design value)  
Density (%) = 98% (96% + or - 1.5%)

(1-cc copy)  
(1-cc copy)  
1-cc TEDSI Engineering Attn: Joe Vasquez  
1-cc JM Construction  
1-cc Hidalgo County Pct. #2 Attn: Agapito Vargas  
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 Mercedes, TX 78570 (956) 565-0760  
900 S. Stewart Rd. Ste. 6 Mission, TX 78572 (956) 583-7117

## DETERMINATION OF PAVEMENT THICKNESS TEST REPORT

Project Description: Highland Subdv. (Central Ave.)(CAP)  
Client: Hidalgo County Pct. #1  
Engineer: TEDSI Engineering  
Contractor: JM Construction

L&G Project Number: L155811  
L&G Report Number: R007  
Sample Date: 10/02/2008  
Date Reported: 10/13/2008

Client PO: 608842

Page 1 of 1

**Material Description:** Hot Mix Asphalt Paving  
**Material Source:**  
**Specification:** TxDOT Item 340 (Ty D)

Station / Location	Density % (Ga) Avg. of 2 specimens	Measured Depth / Thickness Avg. of 2 specimens
50 ft N. Central		1 1/4"
100 ft S. Central		1 3/4"
150 ft N. Central		1 1/2"
200 ft S. Central		1 5/8"
250 ft N. Central		1 3/4"

**Remarks:**

**Test Method (As Applicable):**

(1-cc copy)  
(1-cc copy)  
1-cc TEDSI Engineering Attn: Joe Vasquez  
1-cc JM Construction  
1-cc Hidalgo County Pct. #2 Attn: Agapito Vargas  
1-cc Laboratory

Respectfully Submitted,  
L&G Engineering Laboratory

Ricardo A. Gil, Lab Manager

**BERNAL HIGHLAND SUBDIVISION  
COMPLETE SET OF PROJECT QUANTITIES WITH TOTAL NUMBER OF TESTS AND FREQUENCIES**

ITEM NO.	ITEM DESCRIPTION	ESTIMATED QUANTITIES	UNIT	CONVERSION FACTOR (UNIT)	TOTAL BASE WORK (CY)	Frequencies F = 1/(1000CY) (Nos. of Test)	Total Nos. of Test(s) (Qty.)
247	<b>STREETS</b> 6" Flexible Base Material	8,140.37	SY	0.1667	1357	1.357	2.0000

Column with exact figures; column will not to be used for required number of tests.

**TESTS**  
COMPACTION or IN-PLACE DENSITY(95% density)      TOTAL CUBIC YARDS = 1357      TOTAL NUMBER OF TESTS = 2

ITEM NO.	ITEM DESCRIPTION	ESTIMATED QUANTITIES	UNIT	CONVERSION FACTOR (UNIT)	TOTAL ACP WORK (TONS)	Frequencies F = 1/(200 TONS) (Nos. of Test)	Total Nos. of Test(s) (Qty.)
340	1.5" Thick Type "D" Hot mix Pavement	6,970.76	SY	0.0855	596	2.9800	3.0000

Column with exact figures; column will not to be used for required number of tests.

**TESTS**  
LABORATORY DENSITY/STRENGTH (98% Density)      TOTAL TONNAGE = 596      TOTAL NUMBER OF TESTS = 3

IN-PLACE DENSITY (1.875"MIN)

Border Colonia Access Program  
Checklist for Documentation Required for Road Construction

Contractor: J.M. Construction  
 Contact Amount: \$168,786.50  
 Project/Precinct: Donnal - High Road / Pct. 1  
 Owner's Contract No.: C-CAP-08-004-02-20

Item	Required Documents	Submitted & Reviewed	Approved	Comments:
	<b>INITIATION OF PROJECT:</b>			
1	Approval to Bid (Purchasing)			
2	Contract - Signed and Executed			
3	Gen. Liability Insurance - (Expiration Date)			
4	Automobile Liab. Insurance - (Expiration Date)			
5	Worker's Comp. & Empl. Liab. (Expiration Date)			
6	Notice to Proceed			
7	Material Sample & Testing Table Sent to Auditor's Office			
8	Application and Certification of Payment (A)			
9	Schedule of Values a/k/a 1257/1258	✓	X	Missing amount - emailed to owner 12/4/08
10	Estimate Quantity Update Worksheet	✓	✓	
11	List of Suppliers and Sub-contractors	✓	✓	
12	Partial Waiver of Liens (Sub-contractors/suppliers)	✓	✓	
13	TxDot Form 252 Contract Time Statement	✓	✓	
14	Payroll Report w/signed Wage Form	✓	✓	
15	Change Order (Requires TxDot Concurrence)			
16	Punch List			
17	Certificate of Construction Completion			
18	Approval by Commissioner's Court			
19	Contractor's Affidavit of Release (Waiver) of Liens (with power of attorney)(B)			
20	Affidavit of Payment of Debts & Claims-lien bond & Indemnity bonds(w/power of attorney)(B)			
21	Consent of Surety to Final Payment(with power of attorney)(B)			
22	Final Blue Prints			



# TEDSI INFRASTRUCTURE GROUP

## TEDSI

### Consulting Engineers

1201 East Expressway 83 ♦ Mission, Texas 78572  
Tel: (956) 424-7898  
Fax: (956) 424-7022

# Letter of Transmittal

<b>TO:</b> Mr. Agapito Vargas Jr Executive Director Hidalgo County Border Colonias Access Program 301 E State Pharr TX 78589	<b>DATE:</b> December 3, 2008
--	----------------------------------

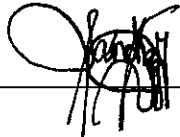
<b>REFERENCE:</b> Bernal-Highland Request for Payment 02	<b>TEDSI PROJECT NO:</b>
---	--------------------------

<b>TRANSMITTED:</b> <input checked="" type="checkbox"/> For Your Use <input type="checkbox"/> Please comment <input type="checkbox"/> As Requested <input type="checkbox"/> Reply ASAP	<b>DATE:</b> <input type="checkbox"/> Approved as Noted <input type="checkbox"/> As Noted Below
--	---

<b>VIA:</b> <input type="checkbox"/> US Mail <input type="checkbox"/> Courier <input type="checkbox"/> E-Mail <input checked="" type="checkbox"/> Hand Carry	<input type="checkbox"/>
--	--------------------------

COPIES	DESCRIPTION
1	Request for Payment 2

**REMARKS**

Signed: 

INVOICE RECEIVED BY: M. Jackson ON 12/3/08  
 GOODS/SERVICES RECEIVED BY: M. Jackson ON 12/3/08