

APPLICATION FOR PAYMENT NO. 3 (final)

AI-14715 3/31/09

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: 12-25-2008.

- 1. Original Contract Price: \$ 168,786.50
- 2. Net change by Change Orders and Written Amendments (+ or -): \$ +17,821.00
- 3. Current Contract Price (1 plus 2): \$ 186,607.50
- 4. Total completed and stored to date: \$ 186,607.50
- 5. Retainage (per Agreement):
  - 10 % of completed Work: \$ 18,660.75
  - % of stored material: \$ 0.00
  - Total Retainage: \$ 18,660.75
- 6. Total completed and stored to date less retainage (4 minus 5): \$ 167,946.75
- 7. Less previous Application for Payments: \$ 98,400.15
- 8. DUE THIS APPLICATION (6 MINUS 7): P.O.# 605603 \$ 69,546.60

9-1311-431-00-121-105-1-733 → \$1,456.56 <-145.66>  
 \*\$1,310.90

9-1311-431-00-121-105-1-734 → \$54,834.00 <-5,483.40>  
 \*\$49,306.60

9-1311-431-00-121-318-1-733 → \$00.00

9-1311-431-00-121-318-1-733 → \$2,722.80  
 <272.28> \*\$2,450.52

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.

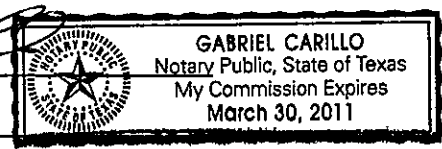
Dated 3-6-09

J.M. Construction  
CONTRACTOR

State of Texas  
 County of Hidalgo  
 Subscribed and sworn to before me this 6  
 day of March, 2009

By: [Signature]  
[Signature]  
[Signature]

[Signature]  
 Notary Public  
 My Commission expires:



9-1201-431-00-121-005-0-733 → \$5,927.44 <-592.74>  
 \*\$5,334.70

9-1201-431-00-121-005-0-734 → \$12,333.20 <-1,233.32>  
 \*\$11,099.88

\*\$ 69,546.60

Payment of the above AMOUNT DUE THIS APPLICATION is recommended.

Dated 03/09/2009

**TEDSI Infrastructure Group**  
ENGINEER

By: [Signature]

INVOICE RECEIVED BY:  
[Signature] ON 3/10/09  
 GOODS/SERVICES RECEIVED BY:  
[Signature] ON 3/10/09



Estimate Quantity Update Worksheet  
 Color: Bernal and Highland Subdivision  
 Roadway: Central Ave (Highland Subdivision)  
 Contract: 25-1086-392  
 Project No: C-CAP-08-004-02-20  
 County: Hidalgo County Precinct No. 1  
 Est. No: 3

Date: March 9, 2009  
 J.M. Contruction  
 Contract Price: \$127,509.50  
 Work Done this Mo.: \$127,509.50  
 % Complete: 100.00%

Date Began: July 3, 2008  
 Contract Time: 120  
 Time Charged: 85  
 % Time Used: 70.83%

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

ITEM NO.	DESCRIPTION	UNIT	PROJECT QTY	UNIT PRICE	PROJECT AMOUNT	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)	
<b>(901) ADMINISTRATIVE</b>																		
<b>(902) PRELIMINARY ENGINEERING</b>																		
<b>(903) CONSTRUCTION ENGINEERING</b>																		
<b>(904) RIGHT-OF-WAY</b>																		
<b>(905) ROADWAY CONSTRUCTION</b>																		
100	PREP FLOW.	STA	19,223	\$400.00	\$7,690,200	16,000	16,000	\$6,412,000	0.000	0	\$0.00	0.000	0	\$0.00	0.000	0	\$0.00	
134	BRICK III (TY B)	STA	19,223	\$200.00	\$3,844,600	0.000	0	\$0.00	16,000	16,000	\$3,200,000	0.000	0	\$0.00	0.000	0	\$0.00	
247	FLBS (DRAY DEL)TY D, GR 6, CL 4)	CY	974	\$20.00	\$19,480.00	0.000	0	\$0.00	831,000	831,000	\$16,620,000	0.000	0	\$0.00	0.000	0	\$0.00	
310	ASPT (MAYTR) (MC-30)	GAJ	1041	\$5.00	\$5,205.00	0.000	0	\$0.00	0	0	\$0.00	0.000	0	\$0.00	0.000	0	\$0.00	
340	ASPT (Concrete (TY D)	TON	426	\$81.00	\$34,566.00	0.000	0	\$0.00	0	0	\$0.00	0.000	0	\$0.00	0.000	0	\$0.00	
500	Modulization	LS	2	\$1,000.00	\$2,000.00	1.000	1,000	\$1,000.00	0.000	0	\$0.00	0.000	0	\$0.00	0.000	0	\$0.00	
530	Barriades, Signs and Traffic Handling	MO	1.5	\$2,000.00	\$3,000.00	0.000	0	\$0.00	0	0	\$0.00	0.000	0	\$0.00	0.000	0	\$0.00	
2500	Turquois (ASPH-CONC-PAV) (PB-2)	SY	202	\$21.00	\$4,242.00	0.000	0	\$0.00	0	0	\$0.00	0.000	0	\$0.00	0.000	0	\$0.00	
2500	EM-1 TREATED FLEX BASE	SY	5841	\$2.50	\$14,602.50	0.000	0	\$0.00	0	0	\$0.00	4987,000	4987,000	\$12,467,500	0.000	0	\$0.00	
2500	EM-1 ROADBOND	GAJ	33	\$90.00	\$2,970.00	0.000	0	\$0.00	0	0	\$0.00	28,000	28,000	\$2,520,000	0.000	0	\$0.00	
5249	Temporary Sediment Control Fence (Removal)	LF	80	\$4.00	\$320.00	80,000	80,000	\$320,000	0.000	0	\$0.00	0.000	0	\$0.00	0.000	0	\$0.00	
<b>(906) DRAINAGE</b>																		
464	18" RCP (CL III)	LF	80	\$30.00	\$2,400.00	0.000	0	\$0.00	80	80,000	\$2,400,000	0	0	\$0.00	0	0	\$0.00	
467	SET (TY 10) (18" RCP) @	EA	2	\$600.00	\$1,200.00	0.000	0	\$0.00	2	2,000	\$1,200,000	0	0	\$0.00	0	0	\$0.00	
530	Driveways (CONC) (4")	SY	82	\$30.00	\$2,460.00	0.000	0	\$0.00	0.000	0	\$0.00	0	0	\$0.00	82	82,000	\$2,460,000	
530	Driveways (ASPH-CONC-PAV) (PB-1)	SY	571	\$56.00	\$31,996.00	0.000	0	\$0.00	0.000	0	\$0.00	0	0	\$0.00	451,000	451,000	\$11,726,000	
556	18" Conjugated Pipe	LF	500	\$17.00	\$8,500.00	0.000	0	\$0.00	500,000	500,000	\$8,500,000	0	0	\$0.00	0	0	\$0.00	

Monthly Totals:	July	August	Up to September 4, 2008	September 5 - October 2, 2008	October 3 - December 26, 2008
ADMINISTRATIVE (901)	\$3,732.00	\$31,926.00	\$14,987.50	\$52,698.00	\$18,176.00
PRELIMINARY ENGINEERING (902)					
CONSTRUCTION ENGINEERING (903)	\$3,732.00	\$19,826.00	\$14,987.50	\$39,502.00	\$15,056.00
RIGHT-OF-WAY (904)	\$0.00	\$12,100.00	\$0.00	\$14,186.00	\$3,120.00
Drainage (906)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$98,103.50</b>	<b>\$89,406.00</b>	<b>\$29,406.00</b>	<b>\$127,509.50</b>	<b>\$31,200.00</b>

Total to Date: Roadway (903): \$98,103.50  
 Drainage (904): \$29,406.00  
 Total: \$127,509.50

Prepared and Checked By: *[Signature]*  
 Signature: *[Signature]*  
 Printed Name: Jose A. Sanchez  
 Date: 03/09/2009

Estimate Quantity Update Worksheet  
 Date: March 9, 2009  
 Contractor: J.M. Contruction  
 Contract Price: \$59,098.00  
 Work Done this Mo.: \$59,098.00  
 % Complete: 100.00%

Date Began: July 3, 2008  
 Contract Time: 120  
 Time Charged: 85  
 % Time Used: 70.83%

Work Types: Paving and Drainage  
 Limits: From: Bernal & Highland Subdivision

ITEM NO.	DESCRIPTION	UNIT	PROJECT QTY	Unit Price	Project Amount	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)
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(901) ADMINISTRATIVE  
 (902) PRELIMINARY ENGINEERING  
 (903) CONSTRUCTION ENGINEERING  
 (904) RIGHT-OF-WAY

(905) ROADWAY CONSTRUCTION																	
100	PREP R.O.W.	STA	11.97	\$400.00	\$4,788.00	0	0	\$0.00	0	0	\$0.00	0	0	\$0.00	0	0	\$0.00
134	Barbitt (TY B)	STA	11.97	\$200.00	\$2,394.00	0	0	\$0.00	0	0	\$0.00	0	0	\$0.00	0	0	\$0.00
247	F.LBS (Rwy Daily) (TY D, GR 6, CL 4)	CY	546	\$20.00	\$10,920.00	0	0	\$0.00	0	0	\$0.00	0	0	\$0.00	0	0	\$0.00
310	ASPH MAT'L (MC-30)	GAL	574	\$5.00	\$2,870.00	0	0	\$0.00	0	0	\$0.00	0	0	\$0.00	0	0	\$0.00
340	ASPH Concrete (TY D)	TON	234	\$81.00	\$18,954.00	0	0	\$0.00	0	0	\$0.00	0	0	\$0.00	0	0	\$0.00
500	Mobilization	LS	1	\$1,000.00	\$1,000.00	0	0	\$0.00	0	0	\$0.00	0	0	\$0.00	0	0	\$0.00
502	Barbedes, Signs and Traffic Handling	MO	1	\$2,000.00	\$2,000.00	0	0	\$0.00	0	0	\$0.00	0	0	\$0.00	0	0	\$0.00
530	Turnouts (ASPH-CONC-PAV)(FB-2)	SY	73	\$21.00	\$1,533.00	0	0	\$0.00	0	0	\$0.00	0	0	\$0.00	0	0	\$0.00
2900	EN-1 TREATED FLEX BASE	SY	3292	\$2.50	\$8,205.00	0	0	\$0.00	0	0	\$0.00	0	0	\$0.00	0	0	\$0.00
2500	EN-1 ROADBOND	GAL	21	\$90.00	\$1,890.00	0	0	\$0.00	0	0	\$0.00	0	0	\$0.00	0	0	\$0.00
5249	Temporary Settlement Control Fence	LF	40	\$4.00	\$160.00	0	0	\$0.00	0	0	\$0.00	0	0	\$0.00	0	0	\$0.00
5249	Temporary Settlement Control Fence (Remove)	LF	40	\$3.00	\$120.00	0	0	\$0.00	0	0	\$0.00	0	0	\$0.00	0	0	\$0.00

(903) DRAINAGE																	
464	18" RCP (CL III)	LF		\$90.00	\$0.00	0	0	\$0.00	0	0	\$0.00	0	0	\$0.00	0	0	\$0.00
467	SET (TY I) (B IN) (RCP)	EA		\$600.00	\$0.00	0	0	\$0.00	0	0	\$0.00	0	0	\$0.00	0	0	\$0.00
530	Driveways (CONC)(4")	SY		\$30.00	\$0.00	0	0	\$0.00	0	0	\$0.00	0	0	\$0.00	0	0	\$0.00
530	Driveways (ASPH-CONC-PAV)(FB-1)	SY	164	\$26.00	\$4,264.00	0	0	\$0.00	0	0	\$0.00	0	0	\$0.00	0	0	\$0.00
556	15" Corrugated Pipe	LF	0	\$17.00	\$0.00	0	0	\$0.00	0	0	\$0.00	0	0	\$0.00	0	0	\$0.00

Monthly Totals:	July	August	Up to September 4, 2008	September 5 - October 2, 2008	October 3 - December 25, 2008
ADMINISTRATIVE (901)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
PRELIMINARY ENGINEERING (902)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
CONSTRUCTION ENGINEERING (903)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
RIGHT-OF-WAY (904)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Roadway (903):	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Drainage (904):	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Total:</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>

Total to Date  
 Roadway (903): \$54,834.00  
 Drainage (904): \$4,264.00  
 Total: \$59,098.00

Prepared and Checked By:  
 Signature:  
 Printed Name:

*Jose A. Sanchez*  
 Jose A. Sanchez

Date: 03/09/2009

## **J.M. CONSTRUCTION**

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

2/17/2009

To: TEDSI Infrastructure Group  
1201 E. Expressway 83  
Mission, Texas 78572  
Proj: Road & Drainage Construction for Highland and Bernal Subdivisions - CAP-08-004-01-09-LRM  
Attn: Jose A. Sanchez, P.E.

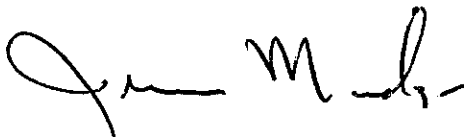
Re: Highland and Bernal Subdivisions  
Materials Suppliers Pay Request 3

Dear Mr. Sanchez,

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
  
2. Martin Marietta Materials  
P.O. Box 848241  
Dallas, Texas 75284  
1-361-853-7331

Sincerely,



Juan Mendoza  
President

02/16/2009 05:46 9565144955

### 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 3 )

In consideration of payment upon receipt of \$19984.14 ( invoice # 208-15225 ) 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.

*[Handwritten Signature]*  
Frontera Materials, Inc.

STATE OF TEXAS

COUNTY OF Hidalgo

Subscribed and sworn to before me, the undersigned authority, on this the 16th day of February, 2009 to certify which, witness my hand and seal of office.



My commission expires

*[Handwritten Signature]*  
Notary Public, State of Texas  
Notary's Name Printed:  
R E Gomez

### 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 3 )

In consideration of payment upon receipt of \$ 2,349.47 ( invoice # 7373829, 7359650, 7384563 ) which is hereby acknowledged, Martin Marietta Materials 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. Martin Marietta Materials 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.

Martin Marietta Materials

Karen Jarosquik

STATE OF TEXAS

COUNTY OF Brewer

Subscribed and sworn to before me, the undersigned authority, on this the 17th day of

February, 2009 to certify which, witness my hand and seal of office.

Kerry S. Champion

Notary Public, State of Texas

Notary's Name/Printed:

Kerry S. Champion

My commission expires 3-29-2012



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  
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. 3 in the amount of Sixty nine thousand five hundred forty six  
dollars and sixty cents DOLLAR (\$ 69,546.60 ) 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.

José M. López  
CONTRACTOR

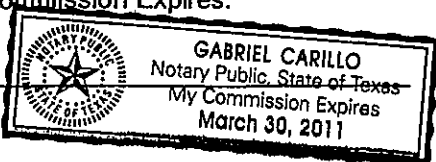
By: President  
TITLE

SWORN TO AND SUBSCRIBED BEFORE ME, on this the 17 day of Feb, 2009, to  
certify which witness my hand and seal of office.

[Signature]

NOTARY PUBLIC in and for the State of Texas

My Commission Expires:





**Construction Project Inspection Diary**

	<b>Bernal</b>	<b>Highland</b>					<b>Date: 12/11/08</b>
<b>Equipment &amp; Force</b>	0+22.00-10+37	0+40-16+43					<b>Construction Activities and Comments:</b>
Motorgrader	1						
Front End Loader	1						MOBILIZATION OF EQUIPMENT
Water Truck							
Tandem Roller							
Backhoe Loader	1						
Dump Truck							
Scraper							
Pneumatic Roller							
Crew Truck	1						
Steel Wheel Roller							
Labor Force At Site:							
Labor Force At Site:							
<b>Skilled:</b>							
<b>Intermediate:</b>							
<b>Unskilled:</b>							
<b>Weather: Clear: 59 degrees</b>							
<b>Time Charged Comments: 1 Day</b>							
							<b>Signature:</b>
							<i>John Paul Lopez</i>

**Construction Project Inspection Diary**

Equipment & Force	Bernal 0+22.00-10+37	Highland 0+40-16+43	Date: 12/12/08	Construction Activities and Comments:
Motorgrader	1			
Front End Loader	1			Crew placed 60 tons of caliche on 1st St. and 40 tons of caliche on 2nd St.
Water Truck				
Tandem Roller				
Backhoe Loader				
Smooth Drum Roller	1			Crew placed "Men At Work" signs.
Sheep Foot Roller				
Pneumatic Roller				
Crew Truck	1			
Steel Wheel Roller				
Labor Force At Site:	4			
Labor Force At Site:				
Skilled:				
Intermediate:				
Unskilled:				
Weather: Clear: 74 degrees				
Time Charged Comments: 1 Day				
				Signature: <i>John Paul Figo</i>

**Construction Project Inspection Diary**

Equipment & Force	Bernal 0+22.00-10+37	Highland 0+40--16+43	Date: 12/15/08
Motorgrader	1		Construction Activities and Comments:
Front End Loader	1		Crew placed 43 tons of caliche on 2nd Street.
Water Truck	1		EN-1 (3 gallons) was placed on 1st & 2nd streets.
Tandem Roller			Crew watered down and compacted streets.
Backhoe Loader			L & G contacted to get test samples on caliche.
Smooth Drum Roller	1		Crew placed "Men At Work" signs.
Sheep Foot Roller			
Pneumatic Roller	1		
Crew Truck	1		
Steel Wheel Roller			
Labor Force At Site:	4		
Labor Force At Site:			
Skilled:			
Intermediate:			
Unskilled:			
Weather: Clear: 71 degrees			
Time Charged Comments: 1 Day			
			Signature: <i>John Paul Trigo</i>

**Construction Project Inspection Diary**


Equipment & Force	Bernal 0-22.00-10-37	Highland 0-40--16-43						Date: 12/16/08
Motorgrader								Construction Activities and Comments:
Front End Loader								No Work due to cold/rainy weather.
Water Truck								
Tandem Roller								
Backhoe Loader								
Dump Truck								
Sheep Foot Roller								
Pneumatic Roller								
Crew Truck								
Steel Wheel Roller								
Labor Force At Site:								
Labor Force At Site:								
Skilled:								
Intermediate:								
Unskilled:								
Weather: Cldy: 42 degrees								
Time Charged Comments: Day								
								Signature:

*John Paul Figo*

**Construction Project Inspection Diary**

Equipment & Force	Bernal 0+22.00-10+37	Highland 0+40-16+43							Date: 12/17/08
Motorgrader									Construction Activities and Comments:
Front End Loader									No Work due to cold/rainy weather.
Water Truck									
Tandem Roller									
Backhoe Loader									
Dump Truck									
Sheep Foot Roller									
Pneumatic Roller									
Crew Truck									
Steel Wheel Roller									
Labor Force At Site:									
Labor Force At Site:									
<b>Skilled:</b>									
<b>Intermediate:</b>									
<b>Unskilled:</b>									
<b>Weather: Cldy: 42 degrees</b>									
<b>Time Charged Comments: Day</b>									
									<b>Signature:</b>
									<i>John Paul Foy</i>

**Construction Project Inspection Diary**

Equipment & Force	Bernal 0+22.00-10+37	Highland 0+40-16+43					Date: 12/18/08	
Motorgrader							Construction Activities and Comments:	
Front End Loader							No Work due to cold/rainy weather.	
Water Truck								
Tandem Roller								
Backhoe Loader								
Dump Truck								
Sheep Foot Roller								
Pneumatic Roller								
Crew Truck								
Steel Wheel Roller								
Labor Force At Site:								
Labor Force At Site:								
<b>Skilled:</b>								
<b>Intermediate:</b>								
<b>Unskilled:</b>								
<b>Weather: Cidy: 42 degrees</b>								
<b>Time Charged Comments: Day</b>								
							<b>Signature:</b>	

**Construction Project Inspection Diary**

Equipment & Force	Bernal 0+22.00-10+37	Highland 0+40-16+43	Date: 12/19/08
Motorgrader	1	1	Construction Activities and Comments:
Front End Loader		1	HIGHLAND- Crew finegraded/ watered down. Crew
Water Truck		1	set and cut bluetop in preparation for MC-30.
Tandem Roller			
Backhoe Loader	1		BERNAL- Crew worked on Right of Way clearing.
Dump Truck			Crew proof rolled subgrade. Crew placed 200 tons
Sheep Foot Roller	1		of caliche on South side of roadway.
Pneumatic Roller		1	
Crew Truck	1	1	"Men At Work" signs placed.
Steel Wheel Roller		1	
Labor Force At Site:	3	3	
Labor Force At Site:			
Skilled:			
Intermediate:			
Unskilled:			
Weather: Cldy: 82 degrees			
Time Charged Comments: 1 Day			
			Signature: <i>John Paul King</i>

**Construction Project Inspection Diary**

Equipment & Force	Bernal 0+22.00-10+37	Highland 0+40-16+43	Date: 12/22/08
Motorgrader	1		Construction Activities and Comments:
Front End Loader			
Water Truck			HIGHLAND- No Activity
Tandem Roller			
Backhoe Loader	1		BERNAL- Crew placed 300 Tons of caliche on
Dump Truck			North side of roadway. Crew continued preparing/
Sheep Foot Roller	1		setting caliche base.
Pneumatic Roller			
Crew Truck	1		"Men At Work" signs placed.
Steel Wheel Roller			
Labor Force At Site:	3		
Labor Force At Site:			
Skilled:			
Intermediate:			
Unskilled:			
Weather: Cldy: 51 degrees			
Time Charged Comments: 1 Day			
			Signature: <i>[Handwritten Signature]</i>

**Construction Project Inspection Diary**

Equipment & Force	Bernal	Highland	Date: 12/23/08
Motorgrader	0-22.00-10-37 1	0+40-16+43	Construction Activities and Comments:
Front End Loader			HIGHLAND- No Activity
Water Truck	1		
Tandem Roller			
Backhoe Loader	1		BERNAL- Crew watered down and compacted
Dump Truck			roadway. Crew mixed 13 gallons of EN-1 with
Smooth Drum Roller	1		caliche.
Pneumatic Roller			
Crew Truck	1		"Men At Work" signs placed.
Steel Wheel Roller			
Labor Force At Site:	3		
Labor Force At Site:			
Skilled:			
Intermediate:			
Unskilled:			
Weather: Cidy: 79 degrees			
Time Charged Comments: 1 Day			
			Signature:

*John Paul Papp*

**Construction Project Inspection Diary**

Equipment & Force	Bernal	Highland	Date: 12/24/08				Construction Activities and Comments:
Motorgrader	0-22.00-10+37 1	0+40--16+43					HIGHLAND- No Activity
Front End Loader							
Water Truck	1						
Tandem Roller	1						
Backhoe Loader	1						BERNAL- Crew finegraded roadway and watered
Dump Truck							down. Crew worked base and cut finish grade on
Smooth Drum Roller	1						roadway in preparation for MC-30
Pneumatic Roller							
Crew Truck	1						"Men At Work" signs placed.
Steel Wheel Roller							
Labor Force At Site:	3						
Labor Force At Site:							
Skilled:							
Intermediate:							
Unskilled:							
Weather: Cldy: 75 degrees							
Time Charged Comments: 1 Day							
							Signature: <i>John Paul Page</i>

**Construction Project Inspection Diary**

Equipment & Force	Bernal 0+22.00-10+37	Highland 0+40-16+43	Date: 12/29/08	Construction Activities and Comments:
Motorgrader	1	1		
Front End Loader				
Water Truck	1	1		HIGHLAND- Crew Finegraded Roadway and Watered down. Crew applied 150 gallons of
Tandem Roller	1	1		MC-30 to Roadways & driveways (1st & 2nd Street).
Backhoe Loader				
Prime Truck	1	1		BERNAL- Crew finegraded roadway and watered
Smooth Drum Roller				down. Crew applied 574 gallons of MC-30 to
Pneumatic Roller				driveways and roadway of Bernal Drive.
Crew Truck	1	1		
Steel Wheel Roller				"Oil On Road" signs placed.
Labor Force At Site:	7	7		
Labor Force At Site:				
<b>Skilled:</b>				
<b>Intermediate:</b>				
<b>Unskilled:</b>				
<b>Weather: Cidy: 81 degrees</b>				
<b>Time Charged Comments: 1 Day</b>				
				<b>Signature:</b>
				<i>John Paul Boyd</i>

**Construction Project Inspection Diary**

	Bernal	Highland						Date: 12/30/08
<b>Equipment &amp; Force</b>	0+22.00-10+37	0+40-16+43						<b>Construction Activities and Comments:</b>
Motorgrader	1	1						
Front End Loader	1	1						HIGHLAND- Crew applied 61 tons of Hot Mix to the driveways and roadways (1st & 2nd streets).
Water Truck								CONSTRUCTION COMPLETED.
Tandem Roller	1	1						
Backhoe Loader								
Paver	1	1						BERNAL- Crew applied 234 tons of Hot Mix to the driveways and roadway of Bernal Drive.
Smooth Drum Roller								CONSTRUCTION COMPLETED.
Pneumatic Roller	1	1						
Crew Truck	1	1						
Steel Wheel Roller								"MEN AT WORK" signs placed.
Labor Force At Site:	6	6						
Labor Force At Site:								
Labor Force At Site:								
<b>Skilled:</b>								
<b>Intermediate:</b>								
<b>Unskilled:</b>								
<b>Weather: Cidy: 79 degrees</b>								
<b>Time Charged Comments: 1 Day</b>								
								<b>Signature:</b>

*John Paul Trigo*

**Construction Project Inspection Diary**

Equipment & Force	Bernal 0-22.00-10+37	Highland 0+40-16+43	Date: 03/05/09
Motorgrader			Construction Activities and Comments:
Front End Loader	1	1	HIGHLAND- As per Teds construction issues,
Water Truck			crew applied the required hot mix to lengthen 1st
Tandem Roller			St. roadway, repaired roadway/cut de sac cracking,
Backhoe Loader			removed silt fences. CONSTRUCTION COMPLETE.
Paver	1	1	BERNAL- As per Teds construction issues, crew
Smooth Drum Roller			completed the specified 20'R for the NWC radiul at
Pneumatic Roller	1	1	intersection of Bernal/Mille 12, constructed driveway
Crew Truck	1	1	#7, and constructed the issues regarding the
Steel Wheel Roller			hammer area. CONSTRUCTION COMPLETED.
Labor Force At Site:	4	4	
Labor Force At Site:			"MEN AT WORK" signs placed.
Skilled:			
Intermediate:			
Unskilled:			
Weather: Cidy: 88 degrees			
Time Charged Comments: 1 Day			
			Signature: <i>John Paul Trigo</i>

Colonia Testing Requirements for Hidalgo County

Contract CAP-08-004-02-20  
 BERNAL HIGHLAND SUBDIVISION  
 L&G

Material	Test	Description	Required	Remarks	CSJ#2C-1080-105&071
<b>Subgrade</b>	Tex-101-E Part III	Pulverization			
	Tex-113	Moist. Density Curve			
	Tex-115-E	In-place Density			
		Thickness			
		Proof Roll			
<b>Flex Base</b>	Tex-101-E	Preparing Soils and Flex Bases			
	Tex-104-E	Determining Liquid Limit of Soils			R001 by L&G
	Tex-105-E	Determining Plastic Limit of Soils			R001 by L&G
	Tex-106-E	Calculating the Plasticity Index			R001 by L&G
	Tex-107-E	Linear Shrinkage			
	Tex-110-E	Particle Size Analysis			R003 by L&G
	Tex-113-E	Moisture Density Relationship of Base Materials (includes Limed)			R002 by L&G
	Tex-115-E	In-place Density			R002 by L&G
	Tex-116-E	Wet Ball Mill Method Tex			R003 by L&G
	Tex-117-E	Triaxial Compression for Base Material (includes Limed)			R004, R008 by L&G
		Thickness			R004, R008 by L&G
<b>EN-1</b>	IAW ASTM 4609				
	Tex-103-E				
	Tex-114-E				
	TexDOT 121 E				
	ASTM D 4546				
	ASTM D 1587				
	Tex115-E				
<b>Hot Mix</b>	Tex-207-F	Determining Density of of Compacted Bituminous Mixtures			R005 by L&G
	Tex-208-F	Test for Stabilometer Value of Bituminous Mixtures			
	Tex-210-F	Determining Asphalt Content of Bituminous Mixtures by Extraction			
	Tex-212-E	Determining Moisture Content of Bituminous Mixtures			
	Tex-213-E	Determining Hydrocarbon - Volatile Content of Bituminous Mixtures			
	Tex-228-F	Determining Asphalt Content of Bituminous Mixtures by the Nuclear Method			
	Tex-229-F	Combined HMA Cold Belt Sampling and Testing Procedure			
Tex-236-F	Determining Asphalt Content from Asphalt Paving Mixtures By the Ignition Method			R006 by L&G	
<b>In-Place Density</b>	Texas SDHPT Bulletin C-14				
	ASTM D-2950.76				
	AASHTO T-166				
<b>Lime</b>	Tex-600-J	Lime Testing Procedure	NO	Waive testing if less than 50 Tons from a Pre-Approved source	
<b>RCP</b>		Three Edge Bearing Test	NO	1 pipe for each 100 pipe	



# 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

Compaction Method: ASTM D-698

Material Description: Base Material

Page 1 of 1

Specific Gravity: 2.65

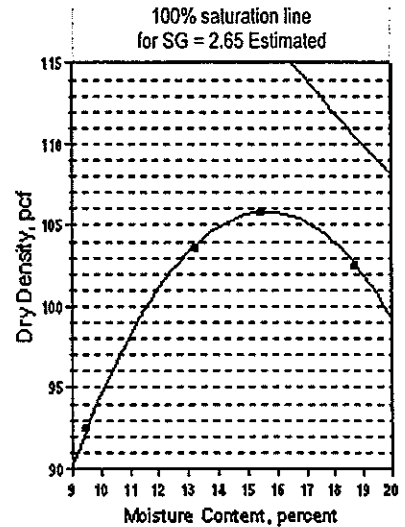
% Passing No. 200: 0.0

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.)

Client:

Engineer: TEDSI Engineering

Contractor: JM Construction

L&G Project Number: L155811

L&G Report Number: R003

Sample Date: 09/09/2008

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) 585-0760  
 900 S. Stewart Rd, Sta. 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)	8"
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) *client*
- 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



**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:** Callche  
**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 Vesquez  
 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

**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)

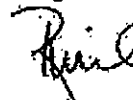
Station / Location	Density % (Ga) Avg. of 2 specimens	Measured Depth / Thickness Avg. of 2 specimens
50 ft N. Central		1 1/4"
100 ft S. Central		1 3/4"
150 ft N. Central		1 1/2"
200 ft S. Central		1 5/8"
250 ft N. Central		1 3/4"

**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



# 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: R008  
Sample Date: 12/17/2008  
Date Reported: 12/17/2008

Client PO: 608842

Page 1 of 1

Material Description	Roadway Caliche Base Material		
Required % Proctor	95	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	1st St. 56ft E of Central Ave. Intersection 3ft S of C.L.	L155811-1	17.0%	111.4 pcf	105.3% (Pass)	6"
2	2nd St. 44ft E of Central Ave. Intersection 5ft N of C.L.	L155811-1	13.8%	112.3 pcf	106.1% (Pass)	6"

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

Orig: Hidalgo County Pct. #1 (CAP) (Hidalgo County Pct. #1)  
(Weslaco, TX) Attn: John Paul Lugo  
(1-cc copy)

1-cc TEDSI Engineering Attn: Joe Vasquez  
1-cc JM Construction Attn: Jaime Vega  
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) 585-0760  
 900 S. Stewart Rd. Ste. 6 Mission, TX 78572 (956) 583-7117

**FIELD DENSITIES**  
**TEST REPORT**

Project Description: Bernal Subdivision  
 Client:  
 Engineer: TEDSI Engineering  
 Contractor: JM Construction

L&G Project Number: L155814  
 L&G Report Number: R001  
 Sample Date: 12/29/2008  
 Date Reported: 01/06/2009

Page 1 of 1

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

Test No.	Test Location	Proctor No	Moisture Content	Dry Density	Percent Compaction	Depth (inch)
1	Sta. 1+45 6ft W of C.L.	Caliche	13.7%	114.9 pcf	108.6% (Pass)	6"
2	Sta. 6+00 on C.L.	Caliche	13.6%	104.6 pcf	98.9% (Pass)	6"
3	Sta. 9+00	Caliche	12.7%	107.9 pcf	102.0% (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 Attn: Jaime Vega  
 1-cc Laboratory

Respectfully Submitted,  
 L&G Engineering Laboratory

Ricardo A. Gil, Lab Manager

**SUMMARY OF ASPHALT ROLLING PATTERN  
 TEST REPORT**

Project Description: Bernal Subdivision  
 Client: Hidalgo County Pct. #1  
 Engineer: TEDSI Engineering  
 Contractor: JM Construction

L&G Project Number: L155814  
 L&G Report Number: R002  
 Sample Date: 12/30/2008  
 Date Reported: 12/30/2008

Page 1 of 1

**Material Description:** Hot Mix Asphalt Paving  
**Material Source:** Frontera  
**Specification:** TxDOT Item 340

Rolling Pattern Location	Density (%)	Air Voids (%)
Bernal St. Sta. 11+00 1ft E. of C.L.	93.1	6.9
Bernal St. Sta. 10+80 4ft E of C.L.	91.2	8.8
Bernal St. Sta. 10+60 8ft E of C.L.	91.2	8.8

Procedure: A Rolling Pattern was established using a Troxler Model Number 3450 Nuclear Density Gauge. An Ingram steel-wheeled breakdown roller and an Ingersol Rand steel-wheeled vibratory roller 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 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):**

Orig: Hidalgo County Pct. #1 (R&B) (Hidalgo County Pct. #1)  
 (Weslaco, TX) Attn: Noe Montes  
 (1-cc copy)  
 1-cc TEDSI Engineering Attn: Joe Vasquez  
 1-cc JM Construction Attn: Jaime Vega  
 1-cc Laboratory

Respectfully Submitted,  
 L&G Engineering Laboratory



Ricardo A. Gil, Lab Manager

Lab Use Only
Report No. _____

**L&G Engineering Laboratory LLC**  
Asphalt Thickness Field Report

Project Description: BERNAL SUBD.  
 Client: HIDALGO COUNTY PCT 1  
 Engineer: \_\_\_\_\_  
 Architect: \_\_\_\_\_  
 Contractor: J&M CONSTRUCTION

L&G Project No.: L155814  
 L&G Report No.: \_\_\_\_\_  
 Date Sampled/Tested: 1-7-09  
 Material Description: Hot Mix Asphalt Paving  
 Material Source: \_\_\_\_\_  
 Thickness Specification: 1 1/2"

Station / Location	Thickness Measured (in.)
<u>BERNAL RD</u>	
<u>STA: 11+00</u>	<u>2 1/2"</u>
<u>4 FT EAST OF C.L.</u>	
<u>BERNAL RD</u>	
<u>STA: 8+50</u>	<u>2"</u>
<u>3 FT WEST OF CL</u>	
<u>BERNAL RD</u>	
<u>STA: 4+75</u>	<u>1 5/8"</u>
<u>5 FT SOUTH OF CL</u>	
<u>BERNAL RD</u>	
<u>STA: 0+90</u>	<u>1 3/4"</u>
<u>6 FT WEST OF CL</u>	

**COPY**

Field Notes / General Instructions: \_\_\_\_\_

Trip Charge:	Start: _____	End: _____	Total: <u>1.8</u> (Miles)
Technician Time:	Start: <u>12:45</u>	End: <u>2:00</u>	Total: <u>1.25</u>

Technician: MARIO POSADA

**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	9,123.00	SY	0.1667	1521	1.5208	2.0000

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

**TESTS**

COMPACTION or IN-PLACE DENSITY (95% density)

TOTAL CUBIC YARDS =	1521
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	7,719.30	SY	0.0855	660	3.3000	4.0000

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

**TESTS**

LABORATORY DENSITY/STRENGTH (98% Density)

TOTAL TONNAGE =	660
TOTAL NUMBER OF TESTS =	4

IN-PLACE DENSITY (1.875"MIN)

<b>TO:</b> Ms. Marcie Jackson Administrative Assistant 301 E State Pharr TX 78589	<b>DATE:</b> March 9, 2009
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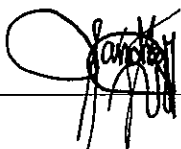
<b>REFERENCE:</b> Bernal-Highland Request for Payment 03	<b>TEDSI PROJECT NO:</b> 2008-1024-01
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<b>TRANSMITTED:</b> <input checked="" type="checkbox"/> For Your Use <input type="checkbox"/> Please comment <input type="checkbox"/> As Requested <input type="checkbox"/> Reply ASAP	<b>DATE:</b> <input type="checkbox"/> Approved as Noted <input type="checkbox"/> As Noted Below
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<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"/>
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COPIES	DESCRIPTION
1	Request for Payment 3

**REMARKS**

Signed: 

**CHANGE ORDER #1**

**PROJECT:** "ROAD & DRAINAGE CONSTRUCTION ( ) HIGHLAND SUBDIVISION"

**DATE OF ISSUANCE:** \_\_\_\_\_ **EFFECTIVE DATE:** \_\_\_\_\_

**OWNER:** HIDALGO COUNTY PRECINCT No. 1

**OWNER's Contract No.:** CAP-008-004-02-20

**CONTRACTOR:** J.M. CONSTRUCTION **ENGINEER:** TECSI INFRASTRUCTURE GROUP

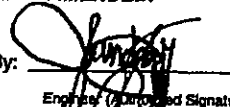
You are directed to make the following changes in the Contract Documents.

- Description:**
1. Added quantities for Item 100, 134, 247, 310, 340, 500, 502, 2500, 2500, 530
  - 2.
  - 3.
  - 4.
  - 5.
  - 6.

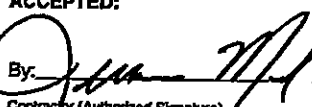
- Reason for Change Order:**
1. Hidalgo County Precinct #1 requested Contractor construct two additional roadways 320' total length.
  - 2.
  - 3.
  - 4.
  - 5.
  - 6.

**Attachments:** Change Order No 1 Tabulation

Change In Contract Price:		CHANGE IN CONTRACT TIME:	
Original Contract Price		Original Contract Time for	
\$	168,786.50	Substantial Completion:	120
			calendar days or dates
Net Changes from previous Change Order		Net change from previous Change Orders	
\$	0.00		0
			calendar days
Contract Price prior to this Change Order		Contract Time prior to this Change Order	
\$	168,786.50	Substantial Completion:	120
			calendar days or dates
Net Increase (decrease) of this Change Order		Net Increase (decrease) of this Change Order	
\$	18,176.00		0
			calendar days
Contract Price with all approved Change Orders	Net % Increase (decrease) from original contract price.	Contract Time with all approved Change Orders	
\$	186,962.50	Substantial Completion:	120
	10.77 %		calendar days or dates

**RECOMMENDED:**  
By:   
Engineer (Authorized Signature)

**APPROVED:**  
By:   
Owner (Authorized Signature)

**ACCEPTED:**  
By:   
Contractor (Authorized Signature)

Date: 10.14.2008

Date: NOV 04 2008

Date: 10/28/08

CHANGE ORDER NO. 1 TABULATION  
 HIDALGO COUNTY PRECINCT NO. 1  
 BERNAL & HIGHLAND SUBDIVISION  
 BID NUMBER: CAP-08-004-02-20

Item Number	Original Plan Quantity	Change Order #1 Quantities	Unit	Item Description	Unit Price	Revised Unit Price	Original Contract Cost	Change in Contract Cost of C.O.#1	Revised Contract Cost after C.O.#1
<b>(905) ROADWAY</b>									
100	26.18	3.2	STA	Preparing ROW	\$ 400.00		\$ 10,472.00	1,280.00	11,752.00
134	26.18	3.2	STA	Backfill (TY B)	\$ 200.00		\$ 5,236.00	640.00	5,876.00
247	1357	143	CY	FLBS (Rdwy Del)(TYD, GR6, CL4)	\$ 20.00		\$ 27,140.00	2,860.00	30,000.00
310	1455	150	GAL	ASPH Material (MC-30)	\$ 5.00		\$ 7,275.00	750.00	8,025.00
340	596	61	TON	ASPH Concrete (TY D)	\$ 81.00		\$ 48,276.00	4,941.00	53,217.00
500	2	1	LS	Mobilization	\$ 1,000.00		\$ 2,000.00	1,000.00	3,000.00
502	2	0.5	MO	Barricades, Signs and Traffic Handling	\$ 2,000.00		\$ 4,000.00	1,000.00	5,000.00
530	275		SY	Turnout (ASPH-CONC-PAV)(PBS-2)	\$ 21.00		\$ 5,775.00	0.00	5,775.00
2500	8145	854	SY	EN-1 Treat. Flexbase (DG)(6')	\$ 2.50		\$ 20,362.50	2,135.00	22,497.50
2500	46	5	GAL	EN-1 Roadbond (Flexbase)	\$ 90.00		\$ 4,140.00	450.00	4,590.00
5249	120		LF	Temporary Sediment Control Fence	\$ 4.00		\$ 480.00	0.00	480.00
5249	120		LF	Temporary Sediment Control Fence (REMOVE)	\$ 3.00		\$ 360.00	0.00	360.00
				Total Roadway :			\$ 135,516.50	\$ 15,056.00	\$ 150,572.50
<b>(906) DRAINAGE</b>									
464	80		SY	18"RCP (CL III)	\$ 30.00		\$ 2,400.00	0.00	2,400.00
464	2		SY	SET (TY II)(18 IN)(RCP)	\$ 600.00		\$ 1,200.00	0.00	1,200.00
467	82		SY	Driveways (Conc.)(4')	\$ 30.00		\$ 2,460.00	0.00	2,460.00
530	615	120	SY	Driveways (ASPH-CONC-PAV)(PB-1)	\$ 26.00		\$ 15,990.00	3,120.00	19,110.00
556	660		LF	15" Corrugated ADS Pipe	\$ 17.00		\$ 11,220.00	0.00	11,220.00
				Total Drainage :			\$ 33,270.00	\$ 3,120.00	\$ 36,390.00
<b>TOTAL BASE AMOUNTS:</b>							\$ 168,786.50	\$ 18,176.00	\$ 186,962.50

**CHANGE ORDER #2**

**PROJECT:** ROAD & DRAINAGE CONSTRUCTION OF BERNAL AND HIGHLAND SUBDIVISION

**DATE OF ISSUANCE:** \_\_\_\_\_ **EFFECTIVE DATE:** \_\_\_\_\_

**OWNER:** HIDALGO COUNTY PRECINCT No. 1

**OWNER's Contract No.:** CAP-08-004-02-20

**CONTRACTOR:** J.M. CONSTRUCTION **ENGINEER:** TEDSI INFRASTRUCTURE GROUP

You are directed to make the following changes in the Contract Documents.


- Description:**
1. Modified quantities for Item 100, 134, 247, 310, 340, 2500, 2500, 160
  - 2.
  - 3.
  - 4.
  - 5.
  - 6.


- Reason for Change Order:**
1. Hidalgo County Acquired ROW for Bernal Subdivision. Reduced pavement section to fit rdwy. Increased length of project
  - 2.
  - 3.
  - 4.
  - 5.
  - 6.

**Attachments:** Change Order No 2 Tabulation, Bernal-Highland Subdivision Schedule

Change in Contract Price:		CHANGE IN CONTRACT TIME:	
Original Contract Price		Original Contract Time for	
\$ 168,788.50		Substantial Completion:	120
			calendar days or dates
Net Changes from previous Change Order		Net change from previous Change Orders	
\$ 18,176.00		0	
			calendar days
Contract Price prior to this Change Order		Contract Time prior to this Change Order	
\$ 186,962.50		Substantial Completion:	120
			calendar days or dates
Net Increase (decrease) of this Change Order		Net Increase (decrease) of this Change Order	
\$ (355.00)			calendar days
Contract Price with all approved Change Orders	Net % Increase (decrease) from original contract price.	Contract Time with all approved Change Orders	
\$ 186,607.50	10.56 %	Substantial Completion:	120
			calendar days or dates

**RECOMMENDED:**  
 By:   
 Engineer (Authorized Signature)

**APPROVED:**  
 By:   
 Owner (Authorized Signature)

**ACCEPTED:**  
 By:   
 Contractor (Authorized Signature)

Date: 11.10.2006

Date: NOV 18 2008

Date: 11-13-08

CHANGE ORDER NO. 2 TABULATION  
 HIDALGO COUNTY PRECINCT NO. 1  
 BERNAL & HIGHLAND SUBDIVISION  
 BID NUMBER: CAP-08-004-02-20

Item Number	Original Plan Quantity	Change Order #1 Quantities Highland	Change Order #2 Quantities Bernal	Unit	Item Description	Unit Price	Revised Unit Price	Original Contract Cost	Change In Contract Cost of C.O.#1 Highland	Revised Contract Cost after C.O.#1 Highland	Change In Contract Cost of C.O.#2 Bernal	Revised Contract Cost after C.O.#2 Bernal
<b>(908) ROADWAY</b>												
100	26.18	3.2	1.82	STA	Preparing ROW	\$ 400.00		\$ 10,472.00	1,280.00	11,752.00	728.00	12,480.00
134	26.18	3.2	1.82	STA	Backfill (TY B)	\$ 200.00		\$ 5,236.00	640.00	5,876.00	364.00	6,240.00
247	1357	143	20	GY	FLBS (Ready Del)(TYD, GR6, CL4)	\$ 20.00		\$ 27,140.00	2,800.00	30,000.00	400.00	30,400.00
310	1435	150	10	GAL	ASPH Material (MC-30)	\$ 5.00		\$ 7,275.00	750.00	8,025.00	50.00	8,075.00
340	596	61	3	TON	ASPH Concrete (TY D)	\$ 81.00		\$ 48,276.00	4,941.00	53,217.00	243.00	53,460.00
500	2	1		LS	Mobilization	\$ 1,000.00		\$ 2,000.00	1,000.00	3,000.00	-	3,000.00
502	2	0.5		MO	Barricades, Signs and Traffic Handling	\$ 2,000.00		\$ 4,000.00	1,000.00	5,000.00	-	5,000.00
530	275			SY	Turnout (ASPH-CONC-PAV)(PBS-2)	\$ 21.00		\$ 5,775.00	0.00	5,775.00	-	5,775.00
2500	8145	854	124	SY	EN-1 Treat. Flexbase (DC)(6')	\$ 2.50		\$ 20,362.50	2,135.00	22,497.50	310.00	22,807.50
2500	46	5	3	GAL	EN-1 Roadband (Flexbase)	\$ 90.00		\$ 4,140.00	450.00	4,590.00	270.00	4,860.00
5249	120			LF	Temporary Sediment Control Fence	\$ 4.00		\$ 480.00	0.00	480.00	-	480.00
	120			LF	Temporary Sediment Control Fence (REMOVE)	\$ 3.00		\$ 360.00	0.00	360.00	-	360.00
					Total Roadway :			\$ 135,516.50	\$ 15,056.00	\$ 150,572.50	\$ 2,365.00	\$ 152,937.50
<b>(908) DRAINAGE</b>												
484	80			SY	18"RCP (CL III)	\$ 30.00		\$ 2,400.00	0.00	2,400.00	-	2,400.00
484	2			SY	SET (TY II)(18 IN)(RCP)	\$ 600.00		\$ 1,200.00	0.00	1,200.00	-	1,200.00
487	82			SY	Driveways (Conc)(4')	\$ 30.00		\$ 2,460.00	0.00	2,460.00	-	2,460.00
530	615	120		SY	Driveways (ASPH-CONC-PAV)(PB-1)	\$ 26.00		\$ 15,990.00	3,120.00	19,110.00	-	19,110.00
556	660		-160	LF	15" Corrugated ADS Pipe	\$ 17.00		\$ 11,220.00	0.00	11,220.00	(2,720.00)	8,500.00
					Total Drainage :			\$ 33,270.00	\$ 3,120.00	\$ 36,390.00	\$ (2,720.00)	\$ 33,670.00
<b>TOTAL BASE AMOUNTS:</b>								\$ 168,786.50	\$ 18,176.00	\$ 186,962.50	\$ (355.00)	\$ 186,607.50

Border Colonia Access Program  
Checklist for Documents Required for Road Construction

**Contractor:** A.M. Construction  
**Contract Amount:** \$118,786.50  
**Project/Precinct:** Sumed-Highland / Pt 1  
**Owner's Contract No.:** 09D-08-004-02-20

Item	Required Documents	Submitted & Reviewed	Approved	Comments:
	<b>INTIMATION 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	✓	✓	
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			