

PO 209461  
DMS  
REC 658221

AGENDA



P.O. Box 2724  
McAllen, TX 78502  
(956) 585-3773

## Invoice

Date	Invoice #
1/5/2023	4548

Please send remittance with copy of invoice to:

Attn: Mrs. Aisha Gonzalez  
P.O. Box 2724  
McAllen, TX 78502

Bill To:

Fort Bend County  
301 Jackson Street  
Richmond, TX 77469

Project Info:

Task Order #1: Fort Bend County -CMT Services for  
Madden Road Project 17416  
B2Z JOB: 8031  
PO #: 209461

**Billing Period**      **December 2022**

Description	Contract	Previous Applications	Current Completed	Total Completed	% Complete
Labor	\$ 48,390.50	\$ 40,558.50	\$ 7,182.50	\$ 47,741.00	98.7%
Construction Material Testing (CMT)	\$ 15,297.00	\$ 14,758.00	\$ 1,146.00	\$ 15,904.00	104.0%
<b>Total For This Billing Period</b>					<b>\$8,328.50</b>

**Work Authorization ~ Summary**

<u>TO No.</u>	<u>WA Amount</u>	<u>Previously Inv.</u>	<u>Percent Complete</u>	<u>Remaining Balance</u>
1	\$63,687.50	\$55,316.50	99.9%	\$42.50

  
Aisha Gonzalez - President



P.O. Box 2724  
McAllen, Tx. 78502  
(956) 585-3773

## Invoice

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Fort Bend County  
301 Jackson Street  
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**Project Info:**

Task Order No: *Fort Bend County -CMT Services for  
Madden Road Project 17416*  
B2Z Job #: *8031*  
PO #: *209461*

**Billing Period 11/28/2022 - 12/12/2022**

Report #	Date	Qty	Billing Code	Unit Type	Unit Rate	Extension
MR-4A	12/7/2022		LABOR			
		1	**Project Engineer (Oversight)		\$ 165.00	\$ 165.00
		8.5	Field Technician (Level 1-B)		\$ 65.00	\$ 552.50
		8	Vehicle Charge		\$ 12.00	\$ 96.00
		1	**Admin/Clerical		\$ 70.00	\$ 70.00
MR-4A-1	12/7/2022		LABOR			
		1	**Project Engineer (Oversight)		\$ 165.00	\$ 165.00
		1	**Admin/Clerical		\$ 70.00	\$ 70.00
			MATERIALS			
			-HMAC			
		1	Asphalt Content (%)		\$ 92.00	\$ 92.00
		1	Gradation		\$ 230.00	\$ 230.00
		3	Lab Molded Density		\$ 61.00	\$ 183.00
	3	Voids in Mineral Aggr. (VMA)		\$ 61.00	\$ 183.00	
MR-7C	12/1/2022		LABOR			
		1	**Project Engineer (Oversight)		\$ 165.00	\$ 165.00
		8	Laboratory/Field Technician	Hour	\$ 90.00	\$ 720.00
		8	Vehicle Charge	Hour	\$ 12.00	\$ 96.00
		1	**Admin/Clerical		\$ 70.00	\$ 70.00
			MATERIALS			
			-CONCRETE			
	4	*Strength		\$ 20.00	\$ 80.00	

Report #	Date	Qty	Billing Code	Unit Type	Unit Rate	Extension
MR-43S	11/28/2022		<b>LABOR</b>			
		1	**Project Engineer (Oversight)		\$ 165.00	\$ 165.00
		6	Laboratory/Field Technician		\$ 90.00	\$ 540.00
		6	Vehicle Charge	Hour	\$ 12.00	\$ 72.00
		1	**Admin/Clerical		\$ 70.00	\$ 70.00
			<b>MATERIALS</b>			
			<b>-SOILS</b>			
		6	In-Place Density		\$ 12.00	\$ 72.00
MR-44S	11/30/3022		<b>LABOR</b>			
		1	**Project Engineer (Oversight)		\$ 165.00	\$ 165.00
		4	Laboratory/Field Technician	Hour	\$ 90.00	\$ 360.00
		4	Vehicle Charge	Hour	\$ 12.00	\$ 48.00
		1	**Admin/Clerical		\$ 70.00	\$ 70.00
			<b>MATERIALS</b>			
			<b>-SOILS</b>			
		4	In-Place Density		\$ 12.00	\$ 48.00
MR-45S	12/1/2022		<b>LABOR</b>			
		1	**Project Engineer (Oversight)		\$ 165.00	\$ 165.00
		8	Laboratory/Field Technician	Hour	\$ 90.00	\$ 720.00
		8	Vehicle Charge	Hour	\$ 12.00	\$ 96.00
		1	**Admin/Clerical		\$ 70.00	\$ 70.00
			<b>MATERIALS</b>			
			<b>-SOILS</b>			
		8	In-Place Density		\$ 12.00	\$ 96.00
MR-46S	12/2/2022		<b>LABOR</b>			
		1	**Project Engineer (Oversight)		\$ 165.00	\$ 165.00
		7	Laboratory/Field Technician	Hour	\$ 90.00	\$ 630.00
		7	Vehicle Charge	Hour	\$ 12.00	\$ 84.00
		1	**Admin/Clerical		\$ 70.00	\$ 70.00
			<b>MATERIALS</b>			
			<b>-SOILS</b>			
		7	In-Place Density		\$ 12.00	\$ 84.00

Report #	Date	Qty	Billing Code	Unit Type	Unit Rate	Extension
MR-47S	12/6/2022		<b>LABOR</b>			
		1	**Project Engineer (Oversight)		\$ 165.00	\$ 165.00
		6	Field Technician (Level 1-B)		\$ 65.00	\$ 390.00
			Vehicle Charge	Hour	\$ 12.00	\$ -
		1	**Admin/Clerical		\$ 70.00	\$ 70.00
MR-48S	12/12/2022		<b>LABOR</b>			
		1	**Project Engineer (Oversight)		\$ 165.00	\$ 165.00
		6.5	Laboratory/Field Technician	Hour	\$ 90.00	\$ 585.00
		6.5	Vehicle Charge	Hour	\$ 12.00	\$ 78.00
		1	**Admin/Clerical		\$ 70.00	\$ 70.00
			<b>MATERIALS</b>			
			<b>-SOILS</b>			
		6.5	In-Place Density		\$ 12.00	\$ 78.00
<b>Total For This Billing Period</b>						<b>\$8,328.50</b>


  
 Aisha Gonzalez - President

**Client:**


Fort Bend County  
Attn: County Judge  
401 Jackson Street, 1st Floor  
Richmond,, TX 77469

**Project:**

8031 (17416)  
Fort Bend County ~ Madden Rd CMT  
Various  
Houston, TX

Test Results														
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min Comp. (%)	Remark
171		12/12/22	CSS #1		CL/CH	11.1	102.0	7.9	100.5	108.4	4	98.5	95	DP
172		12/12/22	CSS #1		CL/CH	11.1	102.0	8.6	102.5	111.3	4	100.5	95	DP
173		12/12/22	CSS #1		CL/CH	11.1	102.0	7.9	99.4	107.3	4	97.5	95	DP
174		12/12/22	CSS #1		CL/CH	11.1	102.0	9.6	97.1	106.4	4	95.2	95	DP
Test Information														
Test #	Test Location						Elevation	Reference	Gauge Make / Model / SN / Calibrated			Field Technician		
171	Roadway: Madden Rd., RCP Sta. 155+47, WBLN 1st Lift								Instrotek / 3500 Xplorer / 4601 / 02/22/2022			Jose Manuel Donate		
172	Roadway: Madden Rd., RCP Sta. 155+47, WBLN 2nd Lift								Instrotek / 3500 Xplorer / 4601 / 02/22/2022			Jose Manuel Donate		
173	Roadway: Madden Rd., RCP Sta. 155+47, WBLN 3rd Lift								Instrotek / 3500 Xplorer / 4601 / 02/22/2022			Jose Manuel Donate		
174	Roadway: Madden Rd., RCP Sta. 156+20, WBLN 2nd Lift								Instrotek / 3500 Xplorer / 4601 / 02/22/2022			Jose Manuel Donate		
Remarks					Comments					Reviewed by: 				
DP: Density Pass					Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency. <b>171:</b> Fort Bend County Inspector, Mustafa Jalal									

Respectfully Submitted by B2Z Engineering

 P.E.  
Oliver Salgado, P.E., Senior Project Manager

**Client:**

Fort Bend County  
Attn: County Judge  
401 Jackson Street, 1st Floor  
Richmond,, TX 77469

**Project:**

8031 (17416)  
Fort Bend County ~ Madden Rd CMT  
Various  
Houston, TX

**General Information**


<b>Activity Number:</b>	1	<b>Activity Date:</b>	12/06/2022
<b>Technician:</b>	Robert Ramirez		

**Notes**


Technician was dispatched to perform Density Testing as requested. Testing was Cancelled at the Job Site

Reviewed by 

Respectfully Submitted by B2Z Engineering


 P.E.  
Oliver Salgado, P.E., Senior Project Manager



Test Results														
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min Comp. (%)	Remark
166		12/02/22	Subgrade #1		CL/CH	10.4	114.7	23.6	109.0	134.7	8	95.0	95	DP
167		12/02/22	Subgrade #1		CL/CH	10.4	114.7	21.9	110.8	135.1	8	96.6	95	DP
168		12/02/22	Subgrade #1		CL/CH	10.4	114.7	24.6	110.1	137.2	8	96.0	95	DP
169		12/02/22	Proctor #2 Cement Base		CL/CH	11.4	122.6	12.1	117.6	131.8	6	95.9	95	DP
170		12/02/22	Proctor #2 Cement Base		CL/CH	11.4	122.6	12.6	120.5	135.7	6	98.3	95	DP
Test Information														
Test #	Test Location						Elevation	Reference	Gauge Make / Model / SN / Calibrated			Field Technician		
166	Roadway: Madden Rd., Sta. 114+50, Driveway 1st Lift								Instrotek / 3500 Xplorer / 4601 / 02/22/2022			Jason Ybarra		
167	Roadway: Madden Rd., Sta. 114+40, Driveway 1st Lift								Instrotek / 3500 Xplorer / 4601 / 02/22/2022			Jason Ybarra		
168	Roadway: Madden Rd., Sta. 114+60, Driveway 1st Lift								Instrotek / 3500 Xplorer / 4601 / 02/22/2022			Jason Ybarra		
169	Roadway: Madden Rd., Sta. 114+55, Crushed Concrete 1st Lift								Instrotek / 3500 Xplorer / 4601 / 02/22/2022			Jason Ybarra		
170	Roadway: Madden Rd., Sta. 114+45, Crushed Concrete 1st Lift								Instrotek / 3500 Xplorer / 4601 / 02/22/2022			Jason Ybarra		
Remarks				Comments				Reviewed by: 						
DP: Density Pass				Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency. <b>166:</b> Fort Bend County Inspector, Mustafa Jalal										

Reviewed by: 

Respectfully Submitted by B2Z Engineering


  
Oliver Salgado, P.E., Senior Project Manager

**Client:**

Fort Bend County  
Attn: County Judge  
401 Jackson Street, 1st Floor  
Richmond,, TX 77469

**Project:**

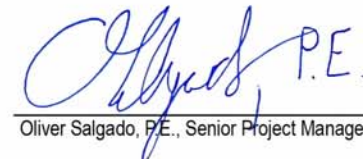
8031 (17416)  
Fort Bend County ~ Madden Rd CMT  
Various  
Houston, TX

Test Results														
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min Comp. (%)	Remark
163		12/01/22	Subgrade #1		CL/CH	10.4	114.7	11.5	120.4	134.3	8	105.0	95	DP
164		12/01/22	Subgrade #1		CL/CH	10.4	114.7	12.0	119.7	134.1	8	104.4	95	DP
165		12/01/22	Subgrade #1		CL/CH	10.4	114.7	11.9	118.0	132.0	8	102.9	95	DP
Test Information														
Test #	Test Location						Elevation	Reference	Gauge Make / Model / SN / Calibrated			Field Technician		
163	Roadway: Madden Rd., EBLN Sta. 113+50 1st Lift								Instrotek / 3500 Xplorer / 4015 / 01/25/2022			Robert Ramirez		
164	Roadway: Madden Rd, EBLN Sta. 113+00 1st Lift								Instrotek / 3500 Xplorer / 4015 / 01/25/2022			Robert Ramirez		
165	Roadway: Madden Rd, EBLN Sta. 113+25 1st Lift								Instrotek / 3500 Xplorer / 4015 / 01/25/2022			Robert Ramirez		
Remarks				Comments				<div>Reviewed by: </div>						
DP: Density Pass				Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency. <b>163:</b> Fort Bend County Inspector, Mustafa Jalal										


Reviewed by:



Respectfully Submitted by B2Z Engineering

  
Oliver Salgado, P.E., Senior Project Manager




Test Results														
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min Comp. (%)	Remark
159		11/30/22	CSS #1		CL/CH	11.1	102.0	11.5	99.9	111.4	8	97.9	95	DP
160		11/30/22	CSS #1		CL/CH	11.1	102.0	10.9	98.6	109.4	8	96.7	95	DP
161		11/30/22	CSS #1		CL/CH	11.1	102.0	11.0	96.9	107.6	8	95.0	95	DP
162		11/30/22	CSS #1		CL/CH	11.1	102.0	10.1	99.8	109.9	8	97.8	95	DP
Test Information														
Test #	Test Location						Elevation	Reference	Gauge Make / Model / SN / Calibrated			Field Technician		
159	Roadway: Madden Rd., EBLN Sta. 164+00 1st Lift								Instrotek / 3500 Xplorer / 4601 / 02/22/2022			Robert Ramirez		
160	Roadway: Madden Rd., EBLN Sta. 156+00 1st Lift								Instrotek / 3500 Xplorer / 4601 / 02/22/2022			Robert Ramirez		
161	Roadway: Madden Rd., EBLN Sta. 156+50 1st Lift								Instrotek / 3500 Xplorer / 4601 / 02/22/2022			Robert Ramirez		
162	Roadway: Madden Rd., EBLN Sta. 155+00 1st Lift								Instrotek / 3500 Xplorer / 4601 / 02/22/2022			Robert Ramirez		
Remarks				Comments					Reviewed by: 					
DP: Density Pass				Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency. 159: Fort Bend County Inspector, Mustafa Jalal										

Reviewed by:



Respectfully Submitted by B2Z Engineering

 P.E.  
Oliver Salgado, P.E., Senior Project Manager

Test Results														
Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	In Place Wet Density (pcf)	Probe Depth (in)	Percent Compaction	Min Comp. (%)	Remark
153		11/22/22	Proctor #2 Cement Base		CL/CH	11.4	122.6	10.3	123.7	136.4	4	100.9	95	DP
154		11/22/22	Proctor #2 Cement Base		CL/CH	11.4	122.6	9.8	122.8	134.8	4	100.2	95	DP
155		11/22/22	Proctor #2 Cement Base		CL/CH	11.4	122.6	12.0	122.9	137.7	4	100.2	95	DP
156		11/22/22	Proctor #2 Cement Base		CL/CH	11.4	122.6	10.7	122.9	136.0	4	100.2	95	DP
157		11/22/22	Proctor #2 Cement Base		CL/CH	11.4	122.6	10.0	124.0	136.4	4	101.1	95	DP
158		11/22/22	Proctor #2 Cement Base		CL/CH	11.4	122.6	11.1	120.8	134.2	4	98.5	95	DP
Test Information														
Test #	Test Location						Elevation	Reference	Gauge Make / Model / SN / Calibrated			Field Technician		
153	Roadway: Madden Rd., EBLN Sta. 159+00, Cement Treated Base 1st Lift								Instrotek / 3500 Xplorer / 4601 / 02/22/2022			Robert Ramirez		
154	Roadway: Madden Rd., EBLN Sta. 158+00, Cement Treated Base 1st Lift								Instrotek / 3500 Xplorer / 4601 / 02/22/2022			Robert Ramirez		
155	Roadway: Madden Rd., EBLN Sta. 157+00, Cement Treated Base 1st Lift								Instrotek / 3500 Xplorer / 4601 / 02/22/2022			Robert Ramirez		
156	Roadway: Madden Rd., EBLN Sta. 156+00, Cement Treated Base 1st Lift								Instrotek / 3500 Xplorer / 4601 / 02/22/2022			Robert Ramirez		
157	Roadway: Madden Rd., EBLN Sta. 155+00, Cement Treated Base 1st Lift								Instrotek / 3500 Xplorer / 4601 / 02/22/2022			Robert Ramirez		
158	Roadway: Madden Rd., EBLN Sta. 154+00, Cement Treated Base 1st Lift								Instrotek / 3500 Xplorer / 4601 / 02/22/2022			Robert Ramirez		

**Client:**

Fort Bend County  
Attn: County Judge  
401 Jackson Street, 1st Floor  
Richmond,, TX 77469


**Project:**

8031 (17416)  
Fort Bend County ~ Madden Rd CMT  
Various  
Houston, TX

Remarks	Comments
DP: Density Pass	Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency. <b>153:</b> Fort Bend County Inspector, Mustafa Jalal

Reviewed by: 

Respectfully Submitted by B2Z Engineering

  
Oliver Salgado, P.E., Senior Project Manager

### Houston Office

1304 Langham Creek Drive  
Suite 130  
Houston, TX 77084  
Phone: 281-717-4016

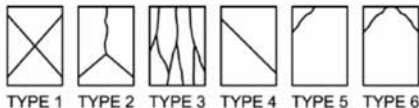
### Client:

Fort Bend County  
Attn: County Judge  
401 Jackson Street, 1st Floor  
Richmond, TX 77469

### Project:

8031 (17416)  
Fort Bend County ~ Madden Rd CMT  
Various  
Houston, TX

Sample Details											
Set #:	11	Technician:	Jason Ybarra	Batched:	14:20 CST						
Specimen Size:	6 x 12 Cast Cylinder	Cast By:	Robert Ramirez	Sampled:	15:15 CST						
Specimens In Set:	4	Date Cast:	12/01/22	Cast:	15:20 CST						
Truck / Ticket #:	10070896 / 47424607	Sampled From:	Chute	Truck Empty:	15:30 CST						
Contractor:	Triple A Asphalt	Placement Method:	Chute	Placement Time:	70 (min)						
Location											
Placement Location:	Roadway										
Location Details:	STA: 156+00										
Sample Location / Notes:	FM 1464 @ Madden Road East Bound Lane STA: 156+00										
Batch Log					Specifications						
Supplier:	Cemex	Mix Design:	TXDOT CLASS HES	Strength:	4000 (psi)						
On-Site Admixtures:	None										
Field Measurements											
Weather:	Sunny	Slump (in):	6-1/4	Plastic Unit Weight:							
Air Temperature (F):	60	Concrete Temp (F):	58	Air Content:	1.2						
				Load Volume:	10.00 (yd³)						
Standard Cure					Field Cure						
Min / Max Temp (F):	52/100										
Lab Test Results											
Testing Lab: B2Z Houston Lab, 1304 Langham Creek Dr., Ste. 130, Houston, TX, 77084											
Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method	
11-1	7	12/08/22	1 / 6	6.00	28.27	236,150	8,350	1	R3	1	
11-2	7	12/08/22	1 / 6	6.00	28.27	236,410	8,360	1	R3	1	
11-3	28	12/29/22	1 / 27								
11-4	28	12/29/22	1 / 27								
Test Age Average Strengths (psi): 7 Day - 8360											
								Capping Methods			
R3: The 7 day test results meets or exceeds the 28 day specified strength.								1: Neoprene Pad			
Tested By: Jason Ybarra (1,2)											
Checked In : 12/02/2022 (1,2,3,4)											



Reviewed by:

*[Signature]*

Respectfully Submitted by B2Z Engineering

*[Signature]* P.E.  
Oliver Salgado, P.E., Senior Project Manager

Test Methods (As Applicable): ASTM C31; ASTM C39; ASTM C138; ASTM C143; ASTM C173; ASTM C231; ASTM C1064; ASTM C1231; ASTM D558 Method A; ASTM D1633

Page 1 of 1

This report applies only to the standards or procedures indicated and to the sample(s) tested and/or observed and are not necessarily indicative of the qualities of apparently identical or similar products or procedures, nor do they represent an ongoing quality assurance program unless so noted. These reports are for the exclusive use of the addressed client and are not to be reproduced without written permission.



**Client:**Fort Bend County  
Attn: County Judge  
401 Jackson Street, 1st Floor  
Richmond, TX 77469**Project:**8031 (17416)  
Fort Bend County ~ Madden Rd CMT  
Various  
Houston, TX**General Information**

<b>Sample Date:</b>	12/07/2022	<b>Sample Number:</b>	2546
<b>Sampled From:</b>	Material Transfer Vehicle	<b>Material Description:</b>	Type D
<b>Technician:</b>	Jason Ybarra	<b>Location Details:</b>	STA:180+00

<b>Lot Number:</b> 1	<b>Sublot Number:</b> 1
----------------------	-------------------------

**Sieve Analysis**

Sieve Size	Cumulative % Retained	% Passing	Specifications
3/4"	0.0	100.0	100
1/2"	0.0	100.0	98 - 100
3/8"	2.8	97.2	85 - 100
No. 4	37.4	62.6	50 - 70
No. 8	63.9	36.1	35 - 46
No. 30	76.7	23.3	15.29
No. 50	86.4	13.6	7 - 20
No. 200	97.8	2.2	2 - 7

**Asphalt Content (Ignition Method)**

4.9

**Theoretical Maximum Specific Gravity**

Rice Gravity: 2.464

**Lab Density of Compacted Bituminous Mixtures**

Average Ga: 2.384

Average Density: 96.8

Average Voids: 3.3

<b>Test Completed Date:</b>	12/08/2022	<b>Test Completed By:</b>	Jason Ybarra
-----------------------------	------------	---------------------------	--------------

**Test Results:** The test is for informational purposes.

Test Method (As Applicable):

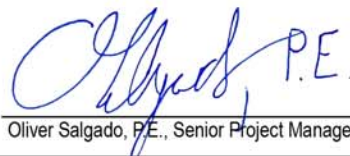
Tex-200-F ; Tex-236-F ;

Tex-227-F ; Tex-207-F

Reviewed by



Respectfully Submitted by B2Z Engineering

  
Oliver Salgado, P.E., Senior Project Manager

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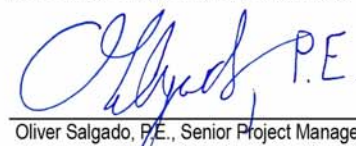
Test Results															
Test #	Retest Of	Test Date	Test Location	Material	Mix Design	Thickness (in)	Max Density (pcf)	Max Density Source	In Place Density (pcf)	Probe Depth (in)	Percent Comp.	Min/Max Comp. (%)	Remark	Gauge SN	Technician
33		12/07/22	Roadway: Madden Rd. Sta. 180+00, EBLN 1st Lift	Type D		2	153.1	Supplied Value	148.3	Asphalt	96.9	94 / 97	DP	255	Robert Ramirez
34		12/07/22	Roadway: Madden Rd. Sta. 175+00, EBLN 1st Lift	Type D		2	153.1	Supplied Value	147.8	Asphalt	96.5	94 / 97	DP	255	Robert Ramirez
35		12/07/22	Roadway: Madden Rd. Sta. 170+00, EBLN 1st Lift	Type D		2	153.1	Supplied Value	145.6	Asphalt	95.1	94 / 97	DP	255	Robert Ramirez
36		12/07/22	Roadway: Madden Rd. Sta. 165+00, EBLN 1st Lift	Type D		2	153.1	Supplied Value	144.9	Asphalt	94.6	94 / 97	DP	255	Robert Ramirez
37		12/07/22	Roadway: Madden Rd. Sta. 160+00, EBLN 1st Lift	Type D		2	153.1	Supplied Value	148.5	Asphalt	97.0	94 / 97	DP	255	Robert Ramirez
38		12/07/22	Roadway: Madden Rd. Sta. 155+00, EBLN 1st Lift	Type D		2	153.1	Supplied Value	148.4	Asphalt	96.9	94 / 97	DP	255	Robert Ramirez
39		12/07/22	Roadway: Madden Rd. Sta. 173+50, EBLN 1st Lift	Type D		2	153.1	Supplied Value	147.0	Asphalt	96.0	94 / 97	DP	255	Robert Ramirez
40		12/07/22	Roadway: Madden Rd. Sta. 154+00, EBLN 1st Lift	Type D		2	153.1	Supplied Value	146.4	Asphalt	95.6	94 / 97	DP	255	Robert Ramirez
41		12/07/22	Roadway: Madden Rd. Sta. 153+00, EBLN 1st Lift	Type D		2	153.1	Supplied Value	145.6	Asphalt	95.1	94 / 97	DP	255	Robert Ramirez
42		12/07/22	Roadway: Madden Rd. Sta. 179+00, EBLN 1st Lift	Type D		2	153.1	Supplied Value	148.5	Asphalt	97.0	94 / 97	DP	255	Robert Ramirez
43		12/07/22	Roadway: Madden Rd. Sta. 163+00, EBLN 1st Lift	Type D		2	153.1	Supplied Value	146.4	Asphalt	95.6	94 / 97	DP	255	Robert Ramirez
44		12/07/22	Roadway: Madden Rd. Sta. 162+00, EBLN 1st Lift	Type D		2	153.1	Supplied Value	145.6	Asphalt	95.1	94 / 97	DP	255	Robert Ramirez



Test Results															
Test #	Retest Of	Test Date	Test Location	Material	Mix Design	Thickness (in)	Max Density (pcf)	Max Density Source	In Place Density (pcf)	Probe Depth (in)	Percent Comp.	Min/Max Comp. (%)	Remark	Gauge SN	Technician
45		12/07/22	Roadway: Madden Rd. Sta. 175+00, EBLN 1st Lift	Type D		2	153.1	Supplied Value	144.0	Asphalt	94.1	94 / 97	DP	255	Robert Ramirez
46		12/07/22	Roadway: Madden Rd. Sta. 174+00, EBLN 1st Lift	Type D		2	153.1	Supplied Value	144.5	Asphalt	94.4	94 / 97	DP	255	Robert Ramirez
47		12/07/22	Roadway: Madden Rd. Sta. 173+00, EBLN 1st Lift	Type D		2	153.1	Supplied Value	144.2	Asphalt	94.2	94 / 97	DP	255	Robert Ramirez
48		12/07/22	Roadway: Madden Rd. Sta. 172+00, EBLN 1st Lift	Type D		2	153.1	Supplied Value	144.7	Asphalt	94.5	94 / 97	DP	255	Robert Ramirez
49		12/07/22	Roadway: Madden Rd. Sta. 171+00, EBLN 1st Lift	Type D		2	153.1	Supplied Value	145.3	Asphalt	94.9	94 / 97	DP	255	Robert Ramirez
50		12/07/22	Roadway: Madden Rd. Sta. 169+00, EBLN 1st Lift	Type D		2	153.1	Supplied Value	145.0	Asphalt	94.7	94 / 97	DP	255	Robert Ramirez
Remarks									Comments						
DP: Lab Density Pass									Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter" 33: Fort Bend County Inspector, Mustafa Jalal						
Gauge Information															
Gauge SN	Make	Model	Density Count	Moisture Count	Standard Count Date	Last Calibration Date	Last Calibrated By								
255	Instrotek	NoNuke	2266	NA	12/07/22	04/08/22	InstroTek, Inc.								

Reviewed by: 

Respectfully Submitted by B2Z Engineering

  
Oliver Salgado, P.E., Senior Project Manager

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