



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

Signature JAE  
 R# 500093  
 PO# 884855

### Invoice

Date	Invoice #
11/10/2024	30070

Please send remittance with copy of invoice to:  
 Attn: Mrs. Aisha Gonzalez  
 P.O. Box 2724  
 McAllen, Tx. 78502

Bill To:  
 Hidalgo County Precinct #3  
 724 Breyfogle Rd.  
 Mission, TX 78574

Project Info:  
 Contract #C-23-0111-05-16  
 WA#2 - 5K Hike & Bike Trail

B2Z JOB: 3105

**Billing Period**                      **October 2024**

Description	Contract	Previous Applications	Current Completed	Total Completed	% Complete
Task 1 - Construction Contract Administration	\$ 13,789.80	\$ 2,068.47	\$ 1,378.98	\$ 3,447.45	25%
Task 2 - Construction Management	\$ 21,147.92	\$ 2,114.79	\$ 2,114.79	\$ 4,229.58	20%
Task 3 - Construction Inspection	\$ 62,286.20	\$ 3,114.31	\$ 9,342.93	\$ 12,457.24	20%
Task 4 - Construction Management (Post Construction)	\$ 2,341.20	\$ -	\$ -	\$ -	0%
<b>Direct Expenses</b>					
Mileage	\$ 655.00	\$ 32.75	\$ 65.50	\$ 98.25	15%
CMT	\$ 75,090.92	\$ -	\$ 7,509.09	\$ 7,509.09	10%
<b>Total For This Billing Period</b>					<b>\$ 20,411.29</b>

Work Authorization ~ Summary

<u>WA No.</u>	<u>WA Amount</u>	<u>Previously Inv.</u>	<u>Percent Complete</u>	<u>Remaining Balance</u>
2	\$175,311.04	\$7,330.32	15.8%	\$147,569.43

Aisha Gonzalez  
 Aisha Gonzalez - President

INVOICE RECEIVED BY [Signature]  
 ON 11/11/24  
 GOODS/SERVICES RECEIVED BY [Signature]  
 ON 11-11-24

**Mission Office**

900 S Stewart Rd, Ste. 2  
Mission, TX 78572  
Phone: 956-585-3773

**Client:**

Hidalgo County Precinct No. 3  
724 Breyfogle Rd  
Mission, TX 78574

**Project:**

3105  
5K Hike & Bike  
various  
Mission, TX

**Sample Details**

Set #:	2	Technician:	Jacob Chavez	Batched:	01:34 CDT
Specimen Size:	4 x 8 Cast Cylinder	Cast By:	Jacob Chavez	Sampled:	02:05 CDT
Specimens In Set:	4	Date Cast:	10/10/24	Cast:	02:15 CDT
Truck / Ticket #:	101 / 97631	Sampled From:	Chute	Truck Empty:	02:20 CDT
Contractor:	8-A Builders	Placement Method:	Chute	Placement Time:	46 (min)

**Location**

Placement Location:	Concrete Paving - Sidewalk
Location Details:	North Side of Canal
Sample Location / Notes:	Sta 35+00

**Batch Log**

Supplier:	Transit Ready Mix	Mix Design:	3600 psi	Strength:	3600 (psi)
Plant:	Plant 1				
On-Site Admixtures:	None				

**Specifications**

**Field Measurements**

Weather:	Clear Skies	Slump (in):	4-1/2	Plastic Unit Weight:	
Air Temperature (F):	68	Concrete Temp (F):	62	Air Content:	
				Load Volume:	10.00 (yd³)

**Standard Cure**

Min / Max Temp (F):	62/91
Initial Cure Method:	Plastic Cover/Lid/Blanket
Final Cure Method:	Water Storage Tank

**Field Cure**

**Lab Test Results**

Testing Lab: B2Z Mission Lab, 900 S. Stewart Rd., Suite 2, Mission, TX, 78572

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
2-1	7	10/17/24	1 / 6	4.00	12.57	45,919	3,650	3	R6	1
2-2	7	10/17/24	1 / 6	4.00	12.57	51,162	4,070	3	R6	1
2-3	28	11/07/24	1 / 27							
2-4	28	11/07/24	1 / 27							

Test Age Average Strengths (psi): 7 Day - 3860

**Capping Methods**

R6: The 28 day test results meets or exceeds the 56 day specified strength. Tested By: Jaykob Quintanilla (1,2) Checked In : 10/11/2024 (1,2,3,4)	1: Neoprene Pad
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TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6

**Attachments**

Sample #	Name	Description
7064	IMG_0236.jpeg	

Respectfully Submitted by B2Z Engineering

*Jorge Solis*

Jorge Solis, Laboratory Manager

**Mission Office**

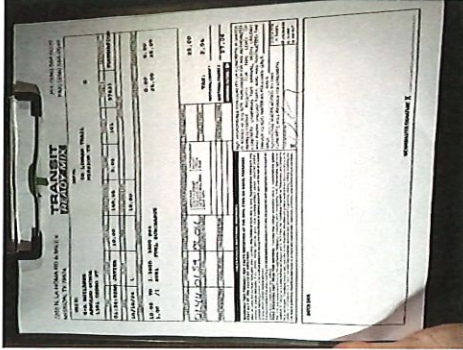
900 S Stewart Rd, Ste. 2  
Mission, TX 78572  
Phone: 956-585-3773

**Client:**

Hidalgo County Precinct No. 3  
724 Breyfogle Rd  
Mission, TX 78574

**Project:**

3105  
5K Hike & Bike  
various  
Mission, TX



**Mission Office**

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Mission, TX 78572  
Phone: 956-585-3773

**Client:**

Hidalgo County Precinct No. 3  
724 Breyfogle Rd  
Mission, TX 78574

**Project:**

3105  
5K Hike & Bike  
various  
Mission, TX

**Sample Details**

Set #:	1	Technician:	Jose Luis Tabares	Batched:	05:02 CDT
Specimen Size:	4 x 8 Cast Cylinder	Cast By:	Jose Luis Tabares	Sampled:	05:27 CDT
Specimens In Set:	4	Date Cast:	10/04/24	Cast:	05:37 CDT
Truck / Ticket #:	104 / 97462	Sampled From:	Chute	Truck Empty:	05:50 CDT
Contractor:	8A Builders	Placement Method:	Chute	Placement Time:	48 (min)

**Location**

Placement Location:	Other
Location Details:	Sidewalk 40' E from Moorefield St to 90' E
Sample Location / Notes:	Sidewalk

**Batch Log**

Supplier:	Transit Ready Mix	Mix Design:	3600 psi	Strength:	3600 (psi)
Plant:	Plant 1				
On-Site Admixtures:	None				

**Specifications**

**Field Measurements**

Weather:	Cool Cloudy	Slump (in):	8 3/4	Plastic Unit Weight:	
Air Temperature (F):	72	Concrete Temp (F):	83	Air Content:	
				Load Volume:	10.00 (yd <sup>3</sup> )

**Standard Cure**

**Field Cure**

Min / Max Temp (F):	71/95
Initial Cure Method:	Plastic Cover/Lid/Blanket
Final Cure Method:	Water Storage Tank

**Lab Test Results**

Testing Lab: B2Z Mission Lab, 900 S. Stewart Rd., Suite 2, Mission, TX, 78572

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in <sup>2</sup> )	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
1-1	7	10/11/24	1 / 6	4.00	12.57	39,673	3,160	2	F3	1
1-2	7	10/11/24	1 / 6	4.00	12.57	42,786	3,400	2	F3	1
1-3	28	11/01/24	1 / 27							
1-4	28	11/01/24	1 / 27							

Test Age Average Strengths (psi): 7 Day - 3280

**Capping Methods**

F3: The 7 day test results did not meet the specifications. Tested By: Jaykob Quintanilla (1,2)	1: Neoprene Pad
Checked In : 10/05/2024 (1,3,4), 10/05/2024 (2)	



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6

Respectfully Submitted by B2Z Engineering

*Jorge Solis*

Jorge Solis, Laboratory Manager



# Soil Nuclear Gauge

**B2Z Report No. 5KHB-8S**  
**Report Date: 10/23/2024**  
**Test Method: ASTM D 6938**

Mission Office  
 900 S Stewart Rd, Ste. 2  
 Mission, TX 78572  
 Phone: 956-585-3773

**Client:** Hidalgo County Precinct No. 3  
 724 Breyfogle Rd  
 Mission, TX 78574

**Project:** 3105  
 5K Hike & Bike  
 various  
 Mission, 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
6		10/17/24	Lime Treated Subgrade		CL/CH	15.3	97.8	17.8	100.0	117.8	6	102.2	95	DP/MIP
7		10/17/24	Lime Treated Subgrade		CL/CH	15.3	97.8	16.2	99.9	116.1	6	102.1	95	DP/MIP
8		10/17/24	Lime Treated Subgrade		CL/CH	15.3	97.8	15.4	99.2	114.5	6	101.4	95	DP/MIP
9		10/17/24	Lime Treated Subgrade		CL/CH	15.3	97.8	18.0	103.9	122.6	6	106.2	95	DP/MIP
Test Information														
Test #	Test Location	Elevation	Reference	Gauge	Field Technician									
6	Other: Hike and Bike Trail South Cond Sta. 54+09 Final Lift			Instrokek / 3500 Xplorer / 3727 / 01/29/2024	Jose Luis Tabares									
7	Other: Hike and Bike Trail South Cond Sta. 65+00 Final Lift			Instrokek / 3500 Xplorer / 3727 / 01/29/2024	Jose Luis Tabares									
8	Other: Hike and Bike Trail South Cond Sta. 70+00 Final Lift			Instrokek / 3500 Xplorer / 3727 / 01/29/2024	Jose Luis Tabares									
9	Other: Hike and Bike Trail South Cond Sta. 73+50 Final Lift			Instrokek / 3500 Xplorer / 3727 / 01/29/2024	Jose Luis Tabares									
Remarks		Comments												
DP/MIP: Density Pass / Moisture Pass		Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency. <b>6:</b> Inspector Julian Ibarra was present.												

Respectfully Submitted by B2Z Engineering

*Jorge Solis*  
 Jorge Solis, Laboratory Manager



# Soil Nuclear Gauge

B2Z Report No. 5KHB-7S  
Report Date: 10/02/2024  
Test Method: ASTM D 6938

Mission Office  
900 S Stewart Rd, Ste. 2  
Mission, TX 78572  
Phone: 956-585-3773

## Client:

Hidalgo County Precinct No. 3  
724 Breyfogle Rd  
Mission, TX 78574

## Project:

3105  
5K Hike & Bike  
various  
Mission, 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
4		09/30/24	Lime Treated Subgrade		CL/CH	15.3	97.8	15.2	102.6	118.2	6	104.9	95	DP/MP
5		09/30/24	Lime Treated Subgrade		CL/CH	15.3	97.8	15.5	102.2	118.0	6	104.5	95	DP/MP
Test Information														
Test #	Test Location	Elevation	Reference	Gauge	Make / Model / SN / Calibrated	Field Technician								
4	Other: Hike and Bike Trail Sta. 49+00 Final Lift				Instrotek / 3500 Xplorer / 3727 / 01/29/2024	Jose Luis Tabares								
5	Other: Hike and Bike Trail Sta. 52+00 Final Lift				Instrotek / 3500 Xplorer / 3727 / 01/29/2024	Jose Luis Tabares								
DP/MP: Density Pass / Moisture Pass		Remarks				Comments								
						Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency. 4: Inspector Julio Ybarra was present.								

Respectfully Submitted by B2Z Engineering

*Jorge Solis*  
Jorge Solis, Laboratory Manager



# Soil Nuclear Gauge

B2Z Report No. 5KHB-6S  
Report Date: 10/02/2024  
Test Method: ASTM D 6938

Mission Office  
900 S Stewart Rd, Ste. 2  
Mission, TX 78572  
Phone: 956-585-3773

## Client:

Hidalgo County Precinct No. 3  
724 Breyfogle Rd  
Mission, TX 78574

## Project:

3105  
5K Hike & Bike  
various  
Mission, 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
1		09/30/24	Lime Treated Subgrade		CL/CH	15.3	97.8	20.2	101.8	122.4	6	104.1	95	DP/MF
2		09/30/24	Lime Treated Subgrade		CL/CH	15.3	97.8	19.6	101.7	121.6	6	104.0	95	DP/MF
3		09/30/24	Lime Treated Subgrade		CL/CH	15.3	97.8	18.5	100.4	119.0	6	102.7	95	DP/MF
Test Information														
Test #	Test Location	Elevation	Reference	Gauge	Make / Model / SN / Calibrated	Field Technician								
1	Other: Hike and Bike Trail Sta. 33+00 Final Lift				Instrotek / 3500 Xplorer / 3727 / 01/29/2024	Jose Luis Tabares								
2	Other: Hike and Bike Trail Sta. 40+00 Final Lift				Instrotek / 3500 Xplorer / 3727 / 01/29/2024	Jose Luis Tabares								
3	Other: Hike and Bike Trail Sta. 47+50 Final Lift				Instrotek / 3500 Xplorer / 3727 / 01/29/2024	Jose Luis Tabares								
Remarks		Comments												
DP/MF: Density Pass / Moisture Fail		Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency. 1: Inspector Julian Ybarra was present and approve moisture. 2: Inspector Julian Ybarra approved Moisture. 3: Inspector Julian Ybarra approved Moisture.												

Respectfully Submitted by B2Z Engineering

Jorge Solis, Laboratory Manager

**Client:**Hidalgo County Precinct No. 3  
724 Breyfogle Rd  
Mission, TX 78574**Project:**3105  
5K Hike & Bike  
various  
Mission, TX**General Information**

<b>Sample Date:</b>	09/24/2024	<b>Sample Number:</b>	6941
<b>Sample From:</b>	Stockpile	<b>Material Type:</b>	Lime Treated Subgrade
<b>Technician:</b>	Luis Villarreal, Jr.	<b>Location Details:</b>	Trail

**Atterberg Limits**

Liquid Limit (%)	Plastic Limit (%)	Plastic Index	Specification Requirements	Pass/Fail
38	28	10	≤ 19	Pass

<b>Test Completed Date:</b>	10/01/2024	<b>Test Completed By:</b>	Jorge Solis
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**Test Results:** The above test result meets the technical specifications.

Test Method (As Applicable):  
Tex 104-E, Tex 105-E, Tex 106-E / ASTM D4318

Respectfully Submitted by B2Z Engineering

Jorge Solis, Laboratory Manager

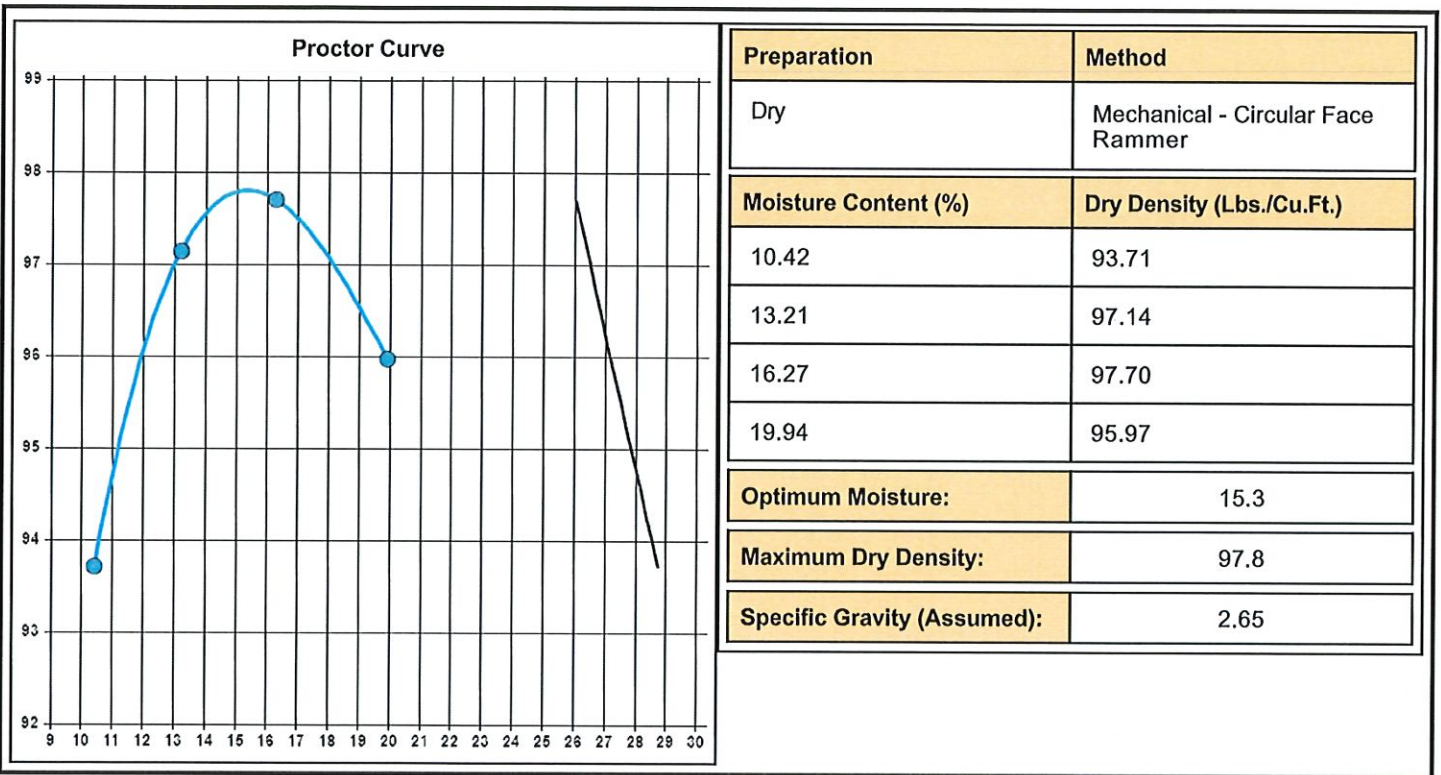
**Client:**  
Hidalgo County Precinct No. 3  
724 Breyfogle Rd  
Mission, TX 78574

**Project:**  
3105  
5K Hike & Bike  
various  
Mission, TX

**General Information**

<b>Sample Date:</b>	09/24/2024	<b>MF Sample Number:</b>	6941
<b>Sample From:</b>	Stockpile	<b>Material Type:</b>	Lime Treated Subgrade
<b>Sampled By:</b>	Luis Villarreal, Jr.	<b>Location Details:</b>	Trail

**Test Results**



<b>Test Completed Date:</b>	09/30/2024	<b>Test Completed By:</b>	Jorge Solis
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**Test Results:** The test is for informational purposes.

Test Method (As Applicable): Tex 114-E / ASTM D-698 Method-A, Method-B or Method-C ;  
Tex 104-E, Tex 105-E, Tex 106-E / ASTM D4318 ;  
Tex 110-E / ASTM C-136

Respectfully Submitted by B2Z Engineering

*Jorge Solis*  
Jorge Solis, Laboratory Manager



**Client:**Hidalgo County Precinct No. 3  
724 Breyfogle Rd  
Mission, TX 78574**Project:**3105  
5K Hike & Bike  
various  
Mission, TX**General Information**

<b>Sample Date:</b>	09/13/2024	<b>Sample Number:</b>	6896
<b>Sample From:</b>	Native Soil	<b>Material Type:</b>	Subgrade
<b>Technician:</b>	Jorge Solis	<b>Location Details:</b>	Sta:32+60 Trail

**Atterberg Limits**

Liquid Limit (%)	Plastic Limit (%)	Plastic Index	Specification Requirements	Pass/Fail
18	14	4	≤ 19	Pass

<b>Test Completed Date:</b>	09/24/2024	<b>Test Completed By:</b>	Jorge Solis
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<b>Test Results:</b> The above test result meets the technical specifications.
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Test Method (As Applicable):  
Tex 104-E, Tex 105-E, Tex 106-E / ASTM D4318

Respectfully Submitted by B2Z Engineering



Jorge Solis, Laboratory Manager

Mission Office  
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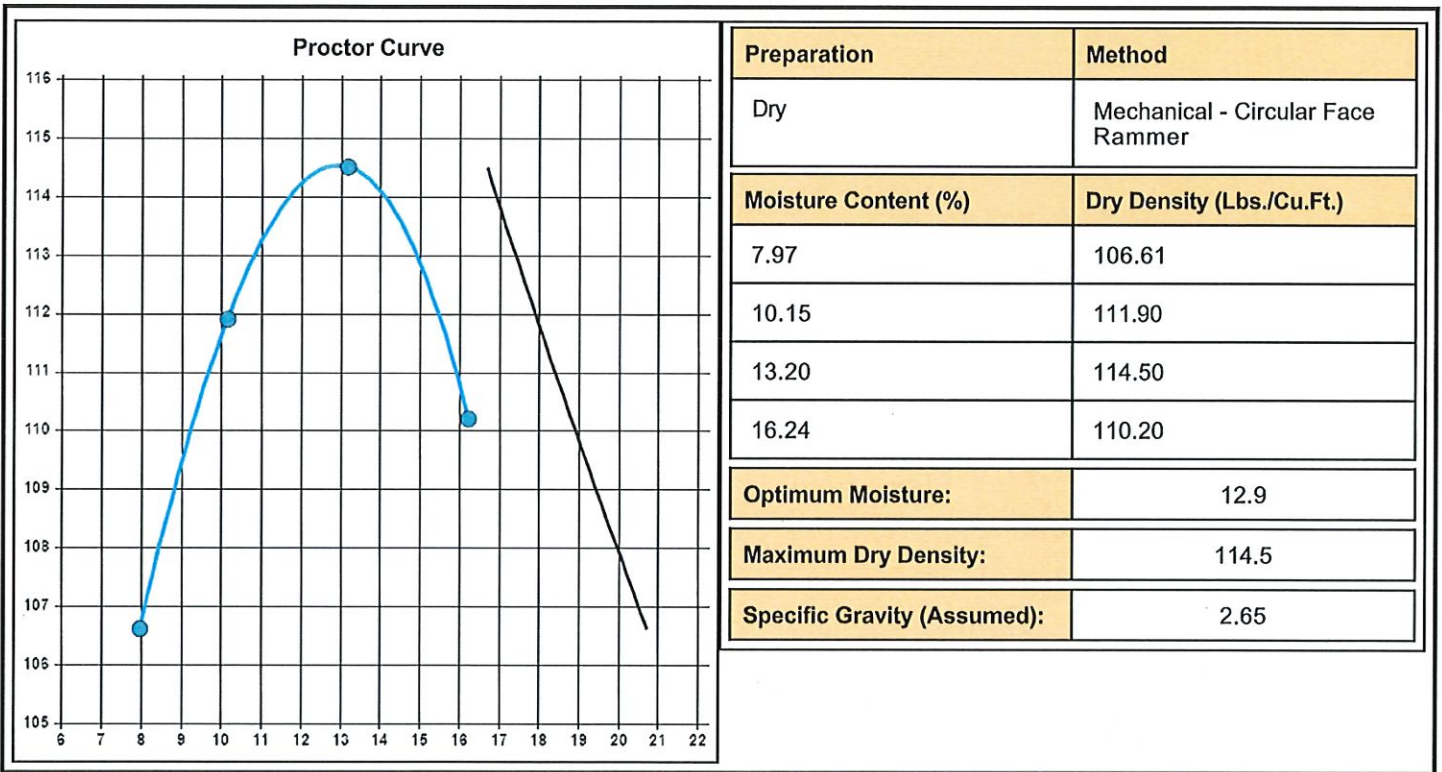
Client:  
Hidalgo County Precinct No. 3  
724 Breyfogle Rd  
Mission, TX 78574

Project:  
3105  
5K Hike & Bike  
various  
Mission, TX

**General Information**

Sample Date:	09/13/2024	MF Sample Number:	6896
Sample From:	Native Soil	Material Type:	Subgrade
Sampled By:	Jorge Solis	Location Details:	Sta:32+60 Trail

**Test Results**



Test Completed Date:	09/24/2024	Test Completed By:	Jorge Solis
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**Test Results:**  
The above test result meets the technical specifications.

Test Method (As Applicable): Tex 114-E / ASTM D-698 Method-A, Method-B or Method-C ;  
Tex 104-E, Tex 105-E, Tex 106-E / ASTM D4318 ;  
Tex 110-E / ASTM C-136

Respectfully Submitted by B2Z Engineering

*Jorge Solis*

Jorge Solis, Laboratory Manager