

September 17, 2024

The Honorable Commissioner Ellie Torres  
Hidalgo County Precinct #4  
1051 N. Doolittle Rd.  
Edinburg, Texas 78542

**RE: Contract # C-23-0285-08-08**  
**Work Authorization No. 1 – Bentsen Road Stormwater Project CMT**  
**PO# 868482**

Dear Commissioner Torres:

Attached for your review and approval is our invoice for services rendered under Work Authorization #1 during the month of August 2024 on the subject referenced project.

The following is attached:  
• Invoice No. 40240

The following is a narrative of the progress for this period.

TASK	% Complete
<b>Construction Materials Testing (CMT)</b>	<b>95%</b>
<b><u>UPDATE:</u></b>  The B2Z Laboratory performed Flexbase density tests for compaction and moisture on Roadways. <i>Reports: BRSP-25S through BRSP-27S</i>	

Should you have any questions regarding this submittal, please do not hesitate to call me at (956) 585-3773.

Sincerely,



David Rivera  
Project Manager  
B2Z Engineering, LLC

SEP 25 2024



# Invoice

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

Date	Invoice #
9/17/2024	40240

Please send remittance with copy of invoice to:

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

Bill To:  
Hidalgo County Precinct #4  
1051 Doolittle Rd  
Edinburg, TX 78542

Project Info:  
Contract # C-23-0285-08-08  
Work Authorization #1  
Bentsen Road Stormwater Project CMT


B2Z JOB: 4127  
PO # 868482

**Billing Period** August 2024

Description	Contract	Previous Applications	Current Completed	Total Completed	% Complete
Construction Materials Testing (CMT)	\$ 16,464.20	\$ 8,561.38	\$ 7,079.61	\$ 15,640.99	95.0%
<b>Total For This Billing Period</b>					<b>\$7,079.61</b>

### Work Authorization ~ Summary

WA No.	WA Amount	Previously Inv.	Percent Complete	Remaining Balance
1	\$16,464.20	\$8,561.38	95.0%	\$823.21

  
Aisha Gonzalez - President

INVOICE RECEIVED BY:  
*Jake Fry* ON *9/25/24*  
GOODS/SERVICES RECEIVED BY:  
*Jake Fry* ON *Aug 2024*

*4-1290-431-50-115-281-4-723*

## Soil Nuclear Gauge

B2Z Report No. BRSP-275  
Report Date: 08/06/2024  
Test Method: ASTM D 6938

Client:  
Hidalgo County Precinct No. 4  
1051 N. Doolittle Rd.  
Edinburg, TX 78542

Project:  
4127  
Bentsen Road Stormwater Project  
Various  
McAllen, 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
32		07/31/24	Flexbase		CL/CH	12.7	117.1	11.2	118.5	131.8	8	101.2	95	DP/MP
33		07/31/24	Flexbase		CL/CH	12.7	117.1	12.0	119.0	133.3	8	101.6	95	DP/MP
Test Information											Gauge			
Test #	Test Location			Elevation	Reference					Make / Model / SN / Calibrated	Field Technician			
32	Roadway: 24" RCP Sta 25+00 1st & Final									Instrotek / 3500 Xplorer / 4507 / 01/30/2024	Armando Rodriguez Jr			
33	Roadway: 24" RCP Sta 22+50 1st & Final									Instrotek / 3500 Xplorer / 4507 / 01/30/2024	Armando Rodriguez Jr			
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. 32: Inspector Robert Villarreal was present.										

Respectfully Submitted by B2Z Engineering



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

## Soil Nuclear Gauge

B2Z Report No. BRSP-265  
Report Date: 07/31/2024  
Test Method: ASTM D 6938

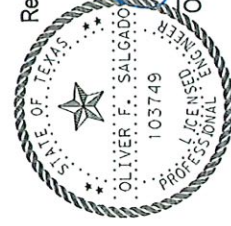
### Client:

Hidalgo County Precinct No. 4  
1051 N. Doolittle Rd.  
Edinburg, TX 78542

### Project:

4127  
Bentsen Road Stormwater Project  
Various  
McAllen, 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
30		07/30/24	Flexbase		CL/CH	12.7	117.1	11.3	112.4	125.1	8	96.0	95	DP/MP
31		07/30/24	Flexbase		CL/CH	12.7	117.1	13.6	116.6	132.5	8	99.6	95	DP/MP
Test Information											Gauge			
Test #	Test Location		Elevation	Reference	Make / Model / SN / Calibrated		Field Technician							
30	Roadway: 24" RCP Crossing Sta 6+00 1st & Final				Instrotek / 3500 Xplorer / 4507 / 01/30/2024		Armando Rodriguez Jr							
31	Roadway: 36" RCP Crossing Sta 4+00 1st & Final				Instrotek / 3500 Xplorer / 4507 / 01/30/2024		Armando Rodriguez Jr							
Remarks		Comments												
DP/MP: 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. 30: Inspector Robert Villarreal was present.												



Respectfully Submitted by B2Z Engineering

*Oliver Salgado, 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
27		07/30/24	Flexbase		CL/CH	12.7	117.1	8.5	113.1	122.7	8	96.6	95	DP/MF
28		07/30/24	Flexbase		CL/CH	12.7	117.1	7.9	116.9	126.1	8	99.8	95	DP/MF
29		07/30/24	Flexbase		CL/CH	12.7	117.1	10.9	111.4	123.5	8	95.1	95	DP/MP

**Test Information**

Test #	Test Location	Elevation	Reference	Gauge	Field Technician
27	Roadway: 24" RCP Crossing Sta 25+00 1st & Final			Instrotek / 3500 Xplorer / 4507 / 01/30/2024	Armando Rodriguez Jr
28	Roadway: 24" RCP Crossing Sta 22+50 1st & Final			Instrotek / 3500 Xplorer / 4507 / 01/30/2024	Armando Rodriguez Jr
29	Roadway: 24" RCP Crossing Sta 19+00 1st & Final			Instrotek / 3500 Xplorer / 4507 / 01/30/2024	Armando Rodriguez Jr

Remarks	Comments
DP/MP: Density Pass / Moisture Fail DP/MP: 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. 27: Inspector Robert Villarreal was present.



Oliver Salgado, P.E., Senior Project Manager