

November 1, 2023

Eddie Guerra, Sheriff
Attn: Roy Mendez, Lieutenant
County of Hidalgo Sheriff's Office
711 El Cibolo Rd.
Edinburg, TX 78541

**RE: Contract # C-22-0728-01-01 - Work Authorization #3 ~ Hidalgo County CDI East
Parking Facility**

Dear Sheriff Guerra:

Attached for your review and approval is our invoice for services rendered under Work Authorization #3 during the month of October 2023 on the subject referenced project.

The following is attached:

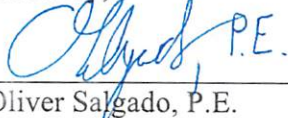
- Invoice No. 40219

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

TASK	% Complete
Geotechnical Drilling, Testing & Eng. Services	
UPDATED: B2Z secured a sample of Subgrade & Flexbase materials for testing on the following item: <ul style="list-style-type: none">• Subgrade – Moisture/Density Standard Proctor	5%

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

Sincerely,



Oliver Salgado, P.E.

Senior Project Manager – B2Z Engineering, LLC

Client:

Hidalgo County
100 North Closner
Edinburg, TX 78539

Project:

4128
HCSO Detention Center East Parking Facility CMT
701 El Cibolo Rd
Edinburg, TX 78541

General Information

Sample Date:	10/03/2023	MF Sample Number:	4418
Sample From:	Subgrade	Material Type:	Subgrade
Sampled By:	Luis Villarreal, Jr.	Location Details:	Center of Parking Lot

Test Results

Proctor Curve:

Moisture Content (%)	Dry Density (Lbs./Cu.Ft.)
6.55	113.98
8.68	118.15
11.70	119.27
15.82	108.90

Preparation	Method
Dry	Mechanical - Circular Face Rammer

Moisture Content (%)	Dry Density (Lbs./Cu.Ft.)
6.55	113.98
8.68	118.15
11.70	119.27
15.82	108.90

Optimum Moisture:	10.7
Maximum Dry Density:	119.6
Specific Gravity (Assumed):	2.65

Atterberg Limits	
Liquid Limit (%):	17
Plastic Limit (%):	11
Plastic Index:	6

Test Completed Date:	10/10/2023	Test Completed By:	Jorge Solis
Test Results: The test is for informational purposes.			

Test Method (As Applicable): Tex 113-E / ASTM D-1557 Method-A, Method-B or Method-C;
Tex 104-E, Tex 105-E, Tex 106-E / ASTM D4318 ;
Tex 110-E / ASTM C-136; Tex 116-E

Respectfully Submitted by B2Z Engineering

Hector Cantu, Corporate Laboratory Manager