

June 3, 2024

Hon. Everardo Villarreal
 Commissioner, Hidalgo County Precinct #3
 724 Breyfogle Rd
 Mission, TX 78574

RE: El Paraiso Project (C-22-0213-09-06)
Work Authorization No. 2 ~ El Paraiso Health Clinic
B2Z Job # 3101B
B2Z Invoice # 30052

Dear Mr. Villarreal,

Attached for your review and approval is our invoice for services under Work Authorization #2 for the month of May 2024 on the subject referenced project.

The following is attached:

- Invoice No. 30052

The following is a narrative of the progress of this period:

TASK		
Construction Material Testing		25%
<p>The B2Z Laboratory performed concrete strength tests. Reports: EPHC-1C through EPHC-3C 7 Day</p> <p>B2Z prepares test reports in the field and in our office daily/weekly. The test reports are emailed to clients from our in-house laboratory located in Mission, Texas</p>		

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

Sincerely,

Oliver F. Salgado, P.E.
 Project Manager



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

Invoice

Date	Invoice #
6/3/2024	30052

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:

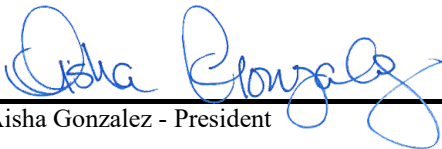
El Paraiso Project (C-22-0213-09-06)
WA#2 - El Paraiso Health Clinic
PO# 872577
B2Z JOB: # 3101B

Billing Period **May 2024**

Description	Contract	Previous Applications	Current Completed	Total Completed	% Complete
Construction Material Testing Services (CMT)	\$ 47,615.80	\$ 9,652.67	\$ 2,251.28	\$ 11,903.95	25.0%
Total For This Billing Period					\$2,251.28

Work Authorization ~ Summary

WA No.	WA Amount	Previously Inv.	Percent Complete	Remaining Balance
2	\$47,615.80	\$9,652.67	25%	\$45,364.52


Aisha Gonzalez - President

El Paraiso Clinic | ARPA-21-340-019
P.O. # 872577
Acct. # 4-1290-441-12-115-215-6-452

Approved
David Chacon, PE
06/05/2024

Mission Office

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

Client:

Hidalgo County
100 North Closner
Edinburg, TX 78539

Project:

3101B
El Paraiso- Health Clinic "A"
1901 N. Los Ebanos Rd.
Alton, TX 78573

Sample Details					
Set #:	1	Technician:	Jacob Chavez	Batched:	03:55 CDT
Specimen Size:	4 x 8 Cast Cylinder	Cast By:	Jacob Chavez	Sampled:	04:38 CDT
Specimens In Set:	5	Date Cast:	05/11/24	Cast:	04:40 CDT
Truck / Ticket #:	10065993 / 1441685	Sampled From:	Chute	Truck Empty:	04:38 CDT
Contractor:	Maverick Paving	Placement Method:	Pump	Placement Time:	43 (min)

Location	
Placement Location:	Other
Location Details:	Footing & Beams
Sample Location / Notes:	North West Quadrant

Batch Log		Specifications	
Supplier:	Cemex	Mix Design:	3000 1" GR 3-5"
Plant:	4209A	Strength:	3000 (psi)
On-Site Admixtures:	None		

Field Measurements			
Weather:	Cloudy	Slump (in):	5
Air Temperature (F):	77	Concrete Temp (F):	92
		Plastic Unit Weight:	
		Air Content:	
		Load Volume:	20.00 (yd ³)

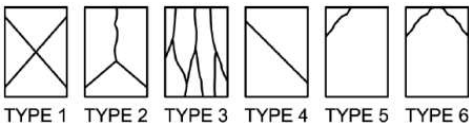
Standard Cure		Field Cure	
Min / Max Temp (F):	76/95		
Initial Cure Method:	Plastic Cover/Lid/Blanket		
Final Cure Method:	Water Storage Tank		

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 ²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
1-1	7	05/18/24	1 / 6	4.00	12.57	38,303	3,050	5	R3	1
1-2	7	05/18/24	1 / 6	4.00	12.57	39,347	3,130	2	R3	1
1-3	28	06/08/24	1 / 27							
1-4	28	06/08/24	1 / 27							
1-5	56	07/06/24	1 / 55							

Test Age Average Strengths (psi): 7 Day - 3090

Capping Methods	
R3: The 7 day test results meets or exceeds the 28 day specified strength. Tested By: Jorge Solis (1,2) Checked In : 05/12/2024 (1,2,3,4,5)	1: Neoprene Pad



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
100 North Closner
Edinburg, TX 78539

Project:

3101B
El Paraiso- Health Clinic "A"
1901 N. Los Ebanos Rd.
Alton, TX 78573

Sample Details					
Set #:	2	Technician:	Jacob Chavez	Batched:	05:12 CDT
Specimen Size:	4 x 8 Cast Cylinder	Cast By:	Jacob Chavez	Sampled:	05:52 CDT
Specimens In Set:	5	Date Cast:	05/11/24	Cast:	05:55 CDT
Truck / Ticket #:	10063940 / 48349492	Sampled From:	Chute	Truck Empty:	06:10 CDT
Contractor:	Maverick	Placement Method:	Pump	Placement Time:	58 (min)

Location	
Placement Location:	Other
Location Details:	Slab
Sample Location / Notes:	North East Quadrant

Batch Log			Specifications		
Supplier:	Cemex	Mix Design:	3000 1" GR 3-5"	Strength:	3000 (psi)
Plant:	4209A				
On-Site Admixtures:	None				

Field Measurements					
Weather:	Cloudy	Slump (in):	4-1/2	Plastic Unit Weight:	
Air Temperature (F):	79	Concrete Temp (F):	92	Air Content:	
				Load Volume:	80.00 (yd ³)

Standard Cure			Field Cure		
Min / Max Temp (F):	76/95				
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 ²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
2-1	7	05/18/24	1 / 6	4.00	12.57	38,551	3,070	2	R3	1
2-2	7	05/18/24	1 / 6	4.00	12.57	39,738	3,160	2	R3	1
2-3	28	06/08/24	1 / 27							
2-4	28	06/08/24	1 / 27							
2-5	56	07/06/24	1 / 55							

Test Age Average Strengths (psi): 7 Day - 3110

Capping Methods							
R3: The 7 day test results meets or exceeds the 28 day specified strength.							
Tested By: Jorge Solis (1,2)							
Checked In : 05/12/2024 (1,2,3,4,5)							
1: Neoprene Pad							



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

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
100 North Closner
Edinburg, TX 78539

Project:

3101B
El Paraiso- Health Clinic "A"
1901 N. Los Ebanos Rd.
Alton, TX 78573

Sample Details					
Set #:	3	Technician:	Jacob Chavez	Batched:	06:17 CDT
Specimen Size:	4 x 8 Cast Cylinder	Cast By:	Jacob Chavez	Sampled:	07:15 CDT
Specimens In Set:	5	Date Cast:	05/11/24	Cast:	07:15 CDT
Truck / Ticket #:	10064495 / 48349538	Sampled From:	Chute	Truck Empty:	07:25 CDT
Contractor:	Maverick Paving	Placement Method:	Pump	Placement Time:	68 (min)

Location	
Placement Location:	Other
Location Details:	Slab
Sample Location / Notes:	South East Quarantine

Batch Log		Specifications	
Supplier:	Cemex	Mix Design:	3000 1" GR 3-5"
Plant:	4209A	Strength:	3000 (psi)
On-Site Admixtures:	None		

Field Measurements			
Weather:	Cloudy	Slump (in):	3
Air Temperature (F):		Concrete Temp (F):	90
		Plastic Unit Weight:	
		Air Content:	
		Load Volume:	130.00 (yd ³)

Standard Cure		Field Cure	
Min / Max Temp (F):	76/95		
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 ²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
3-1	7	05/18/24	1 / 6	4.00	12.57	39,313	3,130	2	R3	1
3-2	7	05/18/24	1 / 6	4.00	12.57	40,142	3,190	2	R3	1
3-3	28	06/08/24	1 / 27							
3-4	28	06/08/24	1 / 27							
3-5	56	07/06/24	1 / 55							

Test Age Average Strengths (psi): 7 Day - 3160

Capping Methods	
R3: The 7 day test results meets or exceeds the 28 day specified strength. Tested By: Jorge Solis (1,2) Checked In : 05/12/2024 (1,2,3,4,5)	1: Neoprene Pad



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

Respectfully Submitted by B2Z Engineering

Jorge Solis

Jorge Solis, Laboratory Manager