



Alpha Omega Geotech, Inc
1701 State Avenue
Kansas City, KS 66102
Phone: 913-371-0000

Bituminous Density

Report Date: 10/22/2024

Test Method:

Client:

Ward Development
1120 NW Eagle Ridge Blvd
Grain Valley, MO 64029

Project:

230529
Lakewood Business Center Lot 1
NE Maguire Blvd
Lee's Summit, MO 64064

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
54		10/17/24	Various: Front lot E section S parking area	APWA Type III		2	147.7	Supplied Value	144.0	Backscatter	97	95 / 102		1669	Caleb Armstrong
55		10/17/24	Various: Front lot E section S parking area	APWA Type III		2	147.7	Supplied Value	142.0	Backscatter	96	95 / 102		1669	Caleb Armstrong
56		10/17/24	Various: Front lot E section N parking area	APWA Type III		2	147.7	Supplied Value	145.7	Backscatter	99	95 / 102		1669	Caleb Armstrong
57		10/17/24	Various: Front lot E section drive lane	APWA Type III		2	147.7	Supplied Value	148.2	Backscatter	100	95 / 102		1669	Caleb Armstrong
58		10/17/24	Various: Front lot E section drive lane	APWA Type III		2	147.7	Supplied Value	145.9	Backscatter	99	95 / 102		1669	Caleb Armstrong
59		10/17/24	Various: SE entry	APWA Type III		2	147.7	Supplied Value	145.0	Backscatter	98	95 / 102		1669	Caleb Armstrong
60		10/17/24	Various: W of SE entry drive lane	APWA Type III		2	147.7	Supplied Value	150.7	Backscatter	102	95 / 102		1669	Caleb Armstrong
61		10/17/24	Various: Parking spots W of SE entry	APWA Type III		2	147.7	Supplied Value	150.3	Backscatter	102	95 / 102		1669	Caleb Armstrong
62		10/17/24	Various: Parking spots N & W of SE entry	APWA Type III		2	147.7	Supplied Value	150.2	Backscatter	102	95 / 102		1669	Caleb Armstrong
63		10/17/24	Various: Drive lane ~100' W of SE entry	APWA Type III		2	147.7	Supplied Value	146.9	Backscatter	99	95 / 102		1669	Caleb Armstrong
64		10/17/24	Various: Front lot W parking section drive lane	APWA Type III		2	147.7	Supplied Value	149.7	Backscatter	101	95 / 102		1669	Caleb Armstrong
65		10/17/24	Various: Front lot W parking section N stalls	APWA Type III		2	147.7	Supplied Value	146.0	Backscatter	99	95 / 102		1669	Caleb Armstrong
66		10/17/24	Various: Front lot W parking section drive lane	APWA Type III		2	147.7	Supplied Value	143.4	Backscatter	97	95 / 102		1669	Caleb Armstrong
67		10/17/24	Various: Front lot W parking section S stalls	APWA Type III		2	147.7	Supplied Value	148.5	Backscatter	101	95 / 102		1669	Caleb Armstrong
68		10/17/24	Various: Front lot W parking section S stalls	APWA Type III		2	147.7	Supplied Value	143.4	Backscatter	97	95 / 102		1669	Caleb Armstrong
69		10/17/24	Various: Front lot W parking section N stalls	APWA Type III		2	147.7	Supplied Value	148.2	Backscatter	100	95 / 102		1669	Caleb Armstrong
70		10/17/24	Various: Front lot W parking section N stalls	APWA Type III		2	147.7	Supplied Value	147.2	Backscatter	100	95 / 102		1669	Caleb Armstrong



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71		10/17/24	Various: Front lot W parking section ~ 50' from SW entry	APWA Type III			147.7	Supplied Value	140.3	Backscatter	95	95 / 102		1669	Caleb Armstrong
72		10/17/24	Various: Front lot W parking section S stalls ~ 100'E of SW entry	APWA Type III		2	147.7	Supplied Value	147.4	Backscatter	100	95 / 102		1669	Caleb Armstrong
73		10/17/24	Various: Front lot W parking section drive lane	APWA Type III		2	147.7	Supplied Value	145.9	Backscatter	99	95 / 102		1669	Caleb Armstrong
74		10/17/24	Various: Front lot W parking section drive lane	APWA Type III		2	147.7	Supplied Value	141.5	Backscatter	96	95 / 102		1669	Caleb Armstrong
75		10/17/24	Various: Front lot E drive lane	APWA Type III		2	147.7	Supplied Value	142.5	Backscatter	96	95 / 102		1669	Caleb Armstrong

Remarks

Comments

Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter"

Gauge Information

Gauge SN	Make	Model	Density Count	Moisture Count	Standard Count Date	Last Calibration Date	Last Calibrated By
1669	Humboldt	5001c	2309	487	10/17/24	04/11/24	Calibration Solutions, LLC

Reviewed by: Jeff Marquez

10/22/2024