



Consolidated

Report Date: 05/19/23

KCK Office

1100 W Cambridge Circle Dr., Suite 700
Kansas City, KS 66103
Phone: 913-627-9040

Client:

NLV Development Company
3152 SW Grandstand Circle
Lee's Summit, MO 64081

Project:

22-5392
Pergola Park 5th Plat - Lee's Summit
-
Lee's Summit, MO

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Distribution List

Name	Company
Fuelberth, Steve	Bair Excavating
Pearson, Russell	
Perry, Devon	City of Lee's Summit, MO
Townsley, Travis	



Nuclear Density Testing Activities

Report #: 0014-000001-00

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Activity Date: 05/17/2023

Technician: Myers, Elizabeth

Weather: Sunny

Temperature (°F): 82

Time On Site: 09:30

Time Off Site: 14:45

Total Time Including Travel (hrs): 7.00

NUCLEAR DENSITY TESTING ACTIVITIES

Material Tested: Asphalt

Sample(s) Collected for Laboratory Testing: Yes

Number of Samples: 1

Comments:

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Site Photos / Attachments



See 22-5392 5-17-23 -sample 198.pdf in the documents section at the end of this report.

Reviewed By:

Caw, Angie




Professional Service Industries, Inc.
 2828 South 44th Street
 Kansas City, KS 66106
 Phone: (913)-310-1600
 Fax: (913)-310-1601

Report No: ASP:03533509-82-A1
Issue No.: 1

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Asphalt Test Report

Client: CFS ENGINEERING 1100 W CAMBRIDGE CIRCLE DR #70 KANSAS CITY, KS 66103	CC: JAKE ENGLER, ANGELA CAW, ADAM MCEACHRON, CARRIE ROBERTS	
Project: MATERIALS TESTING	Approved Signatory: Eileen Peterson(Project Manager) Date of Issue: 5/18/2023	

Sample ID: Asphaltic Concrete APWA Type 5-01 delivered 5/17/2023
 Project No.: Pergola Park - Job#22-5392
 Source: Lab# 198
 Lab No. 03533509-82-A1

Grain Size Analysis-ASTM D5444

Sieve Size	Opening mm	HOT MIX % Passing	Specification Master
1"	25	100	100
3/4"	19.0	100	95-100
1/2"	12.5	94	--
3/8"	9.5	86	--
No. 4	4.75	58	--
No. 8	2.36	40	28 min.
No 16	1.18	31	--
No 30	0.600	24	--
No 50	0.300	16	--
No 100	0.150	9	--
No. 200	0.075	6.5	2-6
Moisture Content, %	Method:	AASHTO T329	
		0.0	
Extraction Data-ASTM D6307 method B except sec. 12			
% Binder, total mix basis		5.04	
Initial Test mass, g		1744.8	
Final Test mass, g		1656.9	



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Bituminous Density

Report #: BNG-000001-00
 Report Date: 05/19/2023
 Test Method:

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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
1		05/17/23	Asphalt: SW Mary St, roundabout on Lumberman's Row, and Pergola Park Dr	Wear	Mix Design - Type 5 (surface)	2	152.8	Supplied Value	148.2	Backscatter	97	96 / 100	SP	34959	Myers, Elizabeth
2		05/17/23	Asphalt: SW Mary St, roundabout on Lumberman's Row, and Pergola Park Dr	Wear	Mix Design - Type 5 (surface)	2	152.8	Supplied Value	149.9	Backscatter	98	96 / 100	SP	34959	Myers, Elizabeth
3		05/17/23	Asphalt: SW Mary St, roundabout on Lumberman's Row, and Pergola Park Dr	Wear	Mix Design - Type 5 (surface)	2	152.8	Supplied Value	153.2	Backscatter	100	96 / 100	SP	34959	Myers, Elizabeth
4		05/17/23	Asphalt: SW Mary St, roundabout on Lumberman's Row, and Pergola Park Dr	Wear	Mix Design - Type 5 (surface)	2	152.8	Supplied Value	147.9	Backscatter	97	96 / 100	SP	34959	Myers, Elizabeth
5		05/17/23	Asphalt: SW Mary St, roundabout on Lumberman's Row, and Pergola Park Dr	Wear	Mix Design - Type 5 (surface)	2	152.8	Supplied Value	148.0	Backscatter	97	96 / 100	SP	34959	Myers, Elizabeth
6		05/17/23	Asphalt: SW Mary St, roundabout on Lumberman's Row, and Pergola Park Dr	Wear	Mix Design - Type 5 (surface)	2	152.8	Supplied Value	149.9	Backscatter	98	96 / 100	SP	34959	Myers, Elizabeth
7		05/17/23	Asphalt: SW Mary St, roundabout on Lumberman's Row, and Pergola Park Dr	Wear	Mix Design - Type 5 (surface)	2	152.8	Supplied Value	147.7	Backscatter	97	96 / 100	SP	34959	Myers, Elizabeth
8		05/17/23	Asphalt: SW Mary St, roundabout on Lumberman's Row, and Pergola Park Dr	Wear	Mix Design - Type 5 (surface)	2	152.8	Supplied Value	149.5	Backscatter	98	96 / 100	SP	34959	Myers, Elizabeth
9		05/17/23	Asphalt: SW Mary St, roundabout on Lumberman's Row, and Pergola Park Dr	Wear	Mix Design - Type 5 (surface)	2	152.8	Supplied Value	148.8	Backscatter	97	96 / 100	SP	34959	Myers, Elizabeth



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10		05/17/23	Asphalt: SW Mary St, roundabout on Lumberman's Row, and Pergola Park Dr	Wear	Mix Design - Type 5 (surface)	2	152.8	Supplied Value	148.4	Backscatter	97	96 / 100	SP	34959	Myers, Elizabeth
11		05/17/23	Asphalt: SW Mary St, roundabout on Lumberman's Row, and Pergola Park Dr	Wear	Mix Design - Type 5 (surface)	2	152.8	Supplied Value	147.8	Backscatter	97	96 / 100	SP	34959	Myers, Elizabeth
12		05/17/23	Asphalt: SW Mary St, roundabout on Lumberman's Row, and Pergola Park Dr	Wear	Mix Design - Type 5 (surface)	2	152.8	Supplied Value	150.0	Backscatter	98	96 / 100	SP	34959	Myers, Elizabeth
13		05/17/23	Asphalt: SW Mary St, roundabout on Lumberman's Row, and Pergola Park Dr	Wear	Mix Design - Type 5 (surface)	2	152.8	Supplied Value	150.2	Backscatter	98	96 / 100	SP	34959	Myers, Elizabeth
14		05/17/23	Asphalt: SW Mary St, roundabout on Lumberman's Row, and Pergola Park Dr	Wear	Mix Design - Type 5 (surface)	2	152.8	Supplied Value	149.2	Backscatter	98	96 / 100	SP	34959	Myers, Elizabeth

Remarks

SP: Supplied Density Pass

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
34959	Troxler	3440	1486	603	05/17/23		