Kansas City Testing & Engineering, LLC 1141 Southwest Blvd. Kansas City, KS 66103 Phone: 913-321-8100 https://www.kctesting.com



Page 1 of 2 Report: K47313

RELATIVE IN-PLACE DENSITY OF COMPACTED BITUMINOUS CONCRETE: K47313

CLIENT:	CHOYCE, LLC	REPORT NO:	K47313
	PO BOX 847	REPORT DATE:	7/19/2022
	LEE'S SUMMIT, MO 64063	SERVICE DATE:	7/8/2022
PROJECT:	R20-22-032 NAPA VALLEY 5TH PLAT	AUTHORIZATION: CONTRACTOR:	

SERVICES: Perform density determinations on the compacted asphaltic concrete mixture using the nuclear gauge.

Sample Information

SUPPLIER: Ideker MIX TYPE: APWA Type 5 Recycle METHOD: SPECIFICATIONS: 95% of optimum WEATHER: Partly cloudy AMBIENT TEMPERATURE: 72 F to 90 F SURFACE TEXTURE: Base GAUGE COUNT: 2658 GAUGE PROBE DEPTH: Backscatter

Test Results

LOCATION: 5th Plat Streets

No	Location	Course Thickness (in	n.) Nuclear Denity (pcf) F	Reference Density (pc	f) In-Place Density	Compliance
1	Cul-de-sac, West side, 5' East of Curb	5	146.7	148.2	99%	Pass
2	Cul-de-sac, North side, 5' South of curb	5	147.4	148.2	100%	Pass
3	Cul-de-sac, East side, 5' West of curb	5	145.6	148.2	98%	Pass
4	Cul-de-sac, Center	5	143.0	148.2	97%	Pass
5	Cul-de-sac, Center	5	144.2	148.2	97%	Pass
6	325' East of SW Stoney Brook PI, 5' South of CL	5	144.4	148.2	97%	Pass
7	400' East of SW Stoney Brook PI, 5' North of CL	5	148.2	148.2	100%	Pass
8	475' East of SW Stoney Brook PI, 5' South of CL	5	147.7	148.2	100%	Pass
9	550' East of SW Stoney Brook PI, 5' North of CL	5	143.3	148.2	97%	Pass
10	625' East of SW Stoney Brook PI, 5' South of CL	5	144.1	148.2	97%	Pass
11	700' East of SW Stoney Brook PI, 5' North of CL	5	146.0	148.2	99%	Pass
12	775' East of SW Stoney Brook PI, 5' South of CL	5	150.0	148.2	101%	Pass
13	850' East of SW Stoney Brook PI, 5' North of CL	5	143.7	148.2	97%	Pass
14	925' East of SW Stoney Brook PI, 5' South of CL	5	145.4	148.2	98%	Pass
15	1000' East of SW Stoney Brook PI, 5' North of CL	5	149.2	148.2	101%	Pass
16	1075' East of SW Stoney Brook PI, 5' South of CL	5	148.8	148.2	100%	Pass
17	10' South of middle MH of cul-de-sac	5	142.0	148.2	96%	Pass

Note: The density results obtained by this method are relative. If actual density results are required, a conversion factor can be developed to convert nuclear density to actual density by taking nuclear density measurements and core densities at the same randomly selected locations.

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Page 2 of 2 Report: K47313

Additional Comments

Kansas City Testing and Engineering, LLC (KCTE) performed nuclear density tests on a 5" thick base lift of freshly placed asphalt. KCTE Marshall: 148.2

TECHNICIAN: Kevin Gardner Project Manager

REPORT DISTRIBUTION: KEVIN HIGDON MATT SCHLICHT STEVEN ROBBINS DIANA JOHNSON ACCOUNTS PAYABLE KANSAS CITY TESTING & ENGINEERING, LLC,

JIM BYRNES, R.G. PROJECT MANAGER