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RELATIVE IN-PLACE DENSITY OF COMPACTED BITUMINOUS CONCRETE: K47374

CLIENT:	CHOYCE, LLC	REPORT NO:	K47374	
	PO BOX 847	REPORT DATE:	7/22/2022	
	LEE'S SUMMIT, MO 64063	SERVICE DATE:	7/11/2022	
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: APWATYPIAPWA TYPE 5-01 METHOD: SPECIFICATIONS: 95% WEATHER: Clear AMBIENT TEMPERATURE: 75 F to 79 F SURFACE TEXTURE: Surface GAUGE COUNT: 1828 GAUGE PROBE DEPTH: Backscatter

Test Results

LOCATION: Flint rock st.

No. Location		Course Thickness (in.)	Nuclear Denity (pcf)	Reference Density (pcf)	In-Place Density	Compliance
1	Flintrock, E most manhole, E BOUND	3	143.8	148.2	97%	Pass
2	Flintrock, E most manhole, west bound	3	142.0	148.2	96%	Pass
3	Flintrock, E bound even with entrance to Eastern circle	3	147.0	148.2	99%	Pass
4	Flintrock, W bound even with entrance to Eastern circle	3	143.4	148.2	97%	Pass
5	200' W of east end of Flintrock	3	147.0	148.2	99%	Pass
6	200' W of east end of Flintrock W bound	3	143.8	148.2	97%	Pass
7	Flintrock, W most fire hydrant E bound	3	145.7	148.2	98%	Pass
8	Flintrock, West most fire hydrant W bound	3	144.9	148.2	98%	Pass
9	SW Mondavi Lane, N bound	3	144.7	148.2	98%	Pass
10	SW Mondavi Lane, S bound	3	142.4	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.

TECHNICIAN: Tim Makarewicz Engineering Technician

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