

ASPHALT DENSITY DETERMINATION REPORT

DATE: 11/19/2020

JOB NUMBER: 2019057B

PROJECT NAME: Kercheval Streetscape (PW-7005)

LOCATION: Detroit, MI

GAUGE NUMBER: 2131

CLIENT: AECOM & City of Detroit

OWNER: City of Detroit (Public Works)

CONTRACTOR: Cadillac Asphalt

PROJECT ENGINEER: Allen Ostrowski (AECOM)

WEATHER: Clear

TEST PERFORMED ON:	X	WEARING COURSE (WC)		LEVELING COURSE (LC)		BASE COURSE (BC)		OTHER							
STRUCTURE:	Mainline Paving 2 Lanes on Kercheval from Parker to St. Clair.														
TEST			WET DENSITY		MOISTURE			DENSITY		TEST LOCATION					
ORIG.	RETEST	DEPTH	DENSITY COUNTS	WET DENSITY	MOIST. COUNTS	MOIST.	MOIST.	MAX DENSITY	COMPACT.	STATIONING/LOCATION	OFFSET OF CL (FT)		COURS E		
		INCH	DC	PCF	MC	PCF	%	PCF	%		LEFT	RIGHT			
12		BS	775	145.1	52	7.2	5.3	154.4	94	106+00	15		WC		
13		BS	721	150.4	50	6.9	4.8	154.4	97.4	115+00	8		WC		
14		BS	761	146.5	41	5.5	3.9	154.4	94.9	125+00	10		WC		
MAXIMUM DETERMINATION (LAB)										PRESCALE					
NOTE: Gmb to Marshall conversion is Gmb * 62.4 (PCF) = MARSHALL (PCF)										16		16			
NOTE: Gmm to TMD conversion is Gmm * 62.4 (PCF) = TMD (PCF)										DENSITY		MOISTURE			
MAXIMUM WET DENSITY BY:				MARSHALL/Gmb 95.0%				TMD/Gmm 92.0% - 96.0%			READING 1	2773	381		
				TMD/Gmm 92.0% - 97.0%			X	TMD/Gmm 92.0% - 98.0%							
REMARKS:															
Material used was 5E3. TMD = 154.4										READING 2		2735		384	
										READING 3		2732		382	
										READING 4		2733		382	
										OPERATING STANDARDS (READING 5)					
										DENSITY		MOISTURE			
										2732		379			
SOMAT FIELD REPRESENTATIVE:				Cody Cervelli						DATE: 11/19/2020					
SOMAT PROJECT MANAGER(s):				Steve Drummond, P.E.						DATE: 11/20/2020					

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