

**ASPHALT DENSITY
DETERMINATION REPORT**

DATE: 8/21/2020

JOB NUMBER: 2020073E (PW-7018)

PROJECT NAME: HMA Mill & Resurfacing 2020

LOCATION: Detroit, MI

GAUGE NUMBER: 2127

CLIENT: CoD/WSP

OWNER: City of Detroit (CoD)

CONTRACTOR: AJAX

PROJECT ENGINEER: Jason Lukasik, P.E.

WEATHER: Sunny

TEST PERFORMED ON:		X	WEARING COURSE (WC)			LEVELING COURSE (LC)			BASE COURSE (BC)			OTHER		
STRUCTURE: Mainline														
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)		COURSE	
		INCH	DC	PCF	MC	PCF	%	PCF	%		LEFT	RIGHT		
12		BS	762	143.7	56	7	5.1	156.2	92	42.3522, -83.0701		9.00	WC	
13		BS	746	145.2	63	8	5.8	156.2	93	42.3523, -83.0698		11.00	WC	
14		BS	742	145.7	54	6.7	4.8	156.2	93.3	42.3524, -83.0697	3		WC	
15		BS	751	144.8	55	6.9	5	156.2	92.7	42.3529, -83.0681		15.00	WC	
16		BS	710	148.9	62	7.9	5.6	156.2	95.3	42.3529, -83.0682	4		WC	
17		BS	715	148.4	52	6.4	4.5	156.2	95	42.3530, -83.0675		12.00	WC	
18		BS	718	148.1	55	6.9	4.9	156.2	94.8	42.3531, -83.0674	3		WC	
19		BS	749	145	58	7.3	5.3	156.2	92.8	42.3536, -83.0658		13.00	WC	
20		BS	726	147.3	53	6.6	4.7	156.2	94.3	42.3536, -83.0658		5.00	WC	
21		BS	740	145.9	58	7.3	5.3	156.2	93.4	42.3538, -83.0653		16.00	WC	
22		BS	759	144	56	7	5.1	156.2	92.2	42.3538, -83.0652	2		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%			X		TMD/Gmm 92.0% - 96.0%			DENSITY		MOISTURE	
			TMD/Gmm 92.0% - 97.0%					TMD/Gmm 92.0% - 98.0%			READING 1		2739 418	
REMARKS:										READING 2		2747 422		
										READING 3		2733 420		
										READING 4		2755 419		
										OPERATING STANDARDS (READING 5)				
										DENSITY		MOISTURE		
										2749		422		
SOMAT FIELD REPRESENTATIVE: Ryan Castillo										DATE: 8/21/2020				
SOMAT PROJECT MANAGER(s): Steve Drummond, P.E.										DATE: 8/28/2020				

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