

**ASPHALT DENSITY
DETERMINATION REPORT**

DATE: 7/24/2020

JOB NUMBER: 2020073E (PW-7018)

PROJECT NAME: HMA Mill & Resurfacing 2020

LOCATION: Detroit, MI

GAUGE NUMBER: 15829

CLIENT: CoD/WSP

OWNER: City of Detroit (CoD)

CONTRACTOR: Ajax

PROJECT ENGINEER: Jason Lukasik, P.E.

WEATHER: fair

TEST PERFORMED ON:		WEARING COURSE (WC)		LEVELING COURSE (LC)		BASE COURSE (BC)		OTHER						
STRUCTURE:														
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	477	146.8	104	7.1	5.1	158.4	92.7	42.3523, - 83.0701		15.00	BL	
13		BS	464	148.7	115	8	5.7	158.4	93.9	42.3518, - 83.0716	4		BL	
14		BS	461	149.2	100	6.8	4.7	158.4	94.2	42.3523, - 83.0701		4.00	BL	
15		BS	454	150.4	85	5.5	3.8	158.4	94.9	42.3523, - 83.0698		16.00	BL	
16		BS	452	150.5	116	8.1	5.7	158.4	95	42.3528, - 83.0683		13.00	BL	
17		BS	471	147.6	119	8.4	6	158.4	93.2	42.3531, - 83.0675		15.00	BL	
18		BS	460	149.4	100	6.8	4.7	158.4	94.3	42.3535, - 83.0661		13.00	BL	
19		BS	478	146.6	122	8.6	6.2	158.4	92.5	42.3538, - 83.0653		14.00	BL	
20		BS	446	151.5	103	7	4.9	158.4	95.7	42.3545, - 83.0637		13.00	BL	
21		BS	477	146.8	100	6.8	4.8	158.4	92.7	42.3548, - 83.0629		15.00	BL	
22		BS	457	149.8	113	7.9	5.5	158.4	94.5	42.3554, - 83.0614		18.00	BL	
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%				DENSITY		MOISTURE	
			TMD/Gmm 92.0% - 97.0%				TMD/Gmm 92.0% - 98.0%				READING 1		1849 702	
REMARKS:										READING 2		1828 704		
										READING 3		1826 701		
										READING 4		1831 704		
										OPERATING STANDARDS (READING 5)				
										DENSITY		MOISTURE		
										1843		711		
SOMAT FIELD REPRESENTATIVE:					Garrett Hineman					DATE:		7/24/2020		
SOMAT PROJECT MANAGER(s):					Steve Drummond, P.E.					DATE:		7/30/2020		

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