

**ASPHALT DENSITY
DETERMINATION REPORT**

DATE: 8/6/2020

JOB NUMBER: 2020073E (PW-7018)

PROJECT NAME: HMA Mill & Resurfacing 2020

LOCATION: Detroit, MI

GAUGE NUMBER: 10959

CLIENT: CoD/WSP

OWNER: City of Detroit (CoD)

CONTRACTOR: Ajax

PROJECT ENGINEER: Jason Lukasik, P.E.

WEATHER: fair

TEST PERFORMED ON:		WEARING COURSE (WC)	x	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.	MAX DENSITY	COMPACT.	STATIONING/LOCATION	OFFSET OF CL (FT)		COURSE			
		INCH	DC	PCF	MC	PCF	%	PCF		%	LEFT		RIGHT		
1		BS	517	148.3	86	7.1	5	158.4	93.6	42.3727, - 83.2163		8.00	BL		
2		BS	490	151.6	100	8.5	5.9	158.4	95.7	42.3739, - 83.2163	12		BL		
3		BS	484	152.5	90	7.5	5.2	158.4	96.2	42.3750, - 83.2164		10.00	BL		
4		BS	537	145.9	81	6.6	4.7	158.4	92.1	42.3727, - 83.2163	12		BL		
5		BS	492	151.3	107	9.2	6.4	158.4	95.5	42.3739, - 83.2163		13.00	BL		
6		BS	489	151.8	89	7.4	5.1	158.4	95.8	42.3750, - 83.2164	11		BL		
7		BS	496	150.9	96	8.1	5.7	158.4	95.2	42.3767, - 83.2164		8.00	BL		
8		BS	525	147.2	105	9	6.5	158.4	92.9	42.3775, - 83.2167	9		BL		
9		BS	522	147.7	90	7.5	5.3	158.4	93.2	42.3791, - 83.2167		8.00	BL		
10		BS	534	146.2	103	8.8	6.4	158.4	92.3	42.3804, - 83.2169	7		BL		
11		BS	531	146.6	81	6.6	4.7	158.4	92.6	42.3838, - 83.2172		10.00	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%		x		TMD/Gmm 92.0% - 98.0%				READING 1		2139			
REMARKS:										READING 2		2156		592	
										READING 3		2163		595	
										READING 4		2168		596	
										OPERATING STANDARDS (READING 5)					
										DENSITY		MOISTURE			
										2169		593			
SOMAT FIELD REPRESENTATIVE: Garrett Hineman										DATE: 8/6/2020					
SOMAT PROJECT MANAGER(s): Steve Drummond, P.E.										DATE: 8/12/2020					

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