

**ASPHALT DENSITY
DETERMINATION REPORT**

DATE: 7/17/2020

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		
1		BS	466	147.8	152	11.3	8.3	158.1	93.5	42.3356, - 83.0409	10		BL	
2		BS	450	150.3	134	9.8	6.9	158.1	95.1	42.3358, - 83.0405	4		BL	
3		BS	443	151.5	127	9.2	6.4	158.1	95.8	42.3360, - 83.0400	6		BL	
4		BS	473	146.9	107	7.5	5.3	158.1	92.9	42.3364, - 83.0391	16		BL	
5		BS	444	151.4	111	7.8	5.4	158.1	95.7	42.3356, - 83.0409		5.00	BL	
6		BS	480	146	88	5.8	4.2	158.1	92.3	42.3358, - 83.0405		7.00	BL	
7		BS	447	150.9	106	7.4	5.1	158.1	95.4	42.3360, - 83.0400		3.00	BL	
8		BS	464	148.2	112	7.9	5.6	158.1	93.8	42.3594, - 83.1025		8.00	BL	
9		BS	478	146.2	95	6.4	4.6	158.1	92.5	42.3594, - 83.1025	12		BL	
10		BS	469	147.5	102	7	5	158.1	93.3	42.3592, - 83.1028	8		BL	
11		BS	455	149.6	108	7.5	5.3	158.1	94.6	42.3592, - 83.1028		4.00	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		1836 702	
REMARKS:										READING 2		1832 702		
Brought samples back to Somat. 4E3 with a TMD of 158.1. On Monroe between Chrysler & ST. Antoine.										READING 3		1837 702		
										READING 4		1835 699		
										OPERATING STANDARDS (READING 5)				
										DENSITY		MOISTURE		
										1831		704		
SOMAT FIELD REPRESENTATIVE:					Garrett Hineman					DATE:		7/17/2020		
SOMAT PROJECT MANAGER(s):					Steve Drummond, P.E.					DATE:		7/24/2020		

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