

**ASPHALT DENSITY
DETERMINATION REPORT**

DATE: 7/15/2020

JOB NUMBER: 2020073E (PW-7018)

PROJECT NAME: HMA Mill & Resurfacing 2020

LOCATION: Detroit, MI

GAUGE NUMBER: 18353

CLIENT: CoD/WSP

OWNER: City of Detroit (CoD)

CONTRACTOR: Ajax

PROJECT ENGINEER: Jason Lukasik, P.E.

WEATHER: Sunny

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.	MOIST.	MAX DENSITY	COMPACT.	STATIONING/LOCATION	OFFSET OF CL (FT)		COURSE		
		INCH	DC	PCF	MC	PCF	%	PCF	%		LEFT	RIGHT			
1		BS	348	151.2	89	8.5	6	158.1	95.6	42.3603, -83.1003	WB2		LC		
2		BS	351	150.5	97	9.4	6.7	158.1	95.2	42.3599, -83.1014	WB2		LC		
3		BS	351	150.6	84	7.9	5.6	158.1	95.2	42.3596, -83.1023	WB2		LC		
4		BS	366	147.5	84	7.9	5.7	158.1	93.3	42.3589, -83.1041	WB2		LC		
5		BS	346	151.6	82	7.7	5.4	158.1	95.9	42.3587, -83.1045	WB2		LC		
6		BS	360	148.6	99	9.6	6.9	158.1	94	42.3584, -83.1053	WB2		LC		
7		BS	349	151	86	8.2	5.7	158.1	95.5	42.3582, -83.1061	WB2		LC		
8		BS	361	148.5	85	8	5.7	158.1	93.9	42.3579, -83.1067	WB2		LC		
9		BS	340	152.8	100	9.7	6.8	158.1	96.7	42.3576, -83.1075	WB2		LC		
10		BS	363	148.1	93	8.9	6.4	158.1	93.7	42.3573, -83.1084	WB2		LC		
11		BS	374	145.9	85	8	5.8	158.1	92.3	42.3572, -83.1087	WB2		LC		
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		539		
REMARKS:										READING 2		1439		544	
Mix = 4E3, TMD = 158.1, on W Grand Blv starting at linwood ending at Grand River										READING 3		1446		545	
EB1 = East bound Line 1(First lane from center)										READING 4		1434		560	
EB2 = East bound Line 2(second lane from center)															
WB1 = West bound Line 1(First lane from center)															
WB1 = West bound Line 2(second lane from center)															
										OPERATING STANDARDS (READING 5)					
										DENSITY		MOISTURE			
										1446		542			
SOMAT FIELD REPRESENTATIVE: San Rofoo										DATE: 7/15/2020					
SOMAT PROJECT MANAGER(s): Steve Drummond, P.E.										DATE: 7/17/2020					

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