

**ASPHALT DENSITY
DETERMINATION REPORT**

DATE: 8/24/2020

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		
1		BS	732	146.2	48	5.9	4.2	156.2	93.6	42.3726, -83.2163		6.00	WC	
2		BS	697	149.8	58	7.3	5.1	156.2	95.9	42.3740, -83.2164		9.00	WC	
3		BS	736	145.8	50	6.2	4.4	156.2	93.3	42.3752, -83.2164		4.00	WC	
4		BS	719	147.5	57	7.2	5.1	156.2	94.4	42.3765, -83.2164		11.00	WC	
5		BS	724	147	56	7	5	156.2	94.1	42.3727, -83.2163	7		WC	
6		BS	731	146.3	54	6.7	4.8	156.2	93.6	42.3739, -83.2164	10		WC	
7		BS	721	147.3	53	6.6	4.7	156.2	94.3	42.3751, -83.2164	5		WC	
8		BS	749	144.5	54	6.7	4.9	156.2	92.5	42.3763, -83.2164	3		WC	
9		BS	709	148.5	57	7.2	5.1	156.2	95.1	42.3775, -83.2165	8		WC	
10		BS	749	144.4	66	8.4	6.2	156.2	92.4	42.3792, -83.2168	4		WC	
11		BS	712	148.1	66	8.4	6	156.2	94.8	42.3804, -83.2169	9		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		2747 422	
REMARKS:										READING 2		2733 420		
Tests were taken on the SB Southfield Service Dr between Plymouth to Schoolcraft.										READING 3		2755 419		
										READING 4		2749 422		
										OPERATING STANDARDS (READING 5)				
										DENSITY		MOISTURE		
										2730		421		
SOMAT FIELD REPRESENTATIVE: Ryan Castillo										DATE: 8/24/2020				
SOMAT PROJECT MANAGER(s): Steve Drummond, P.E.										DATE: 8/28/2020				

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