



Somat Engineering, Inc.

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ASTM D2950

REPORT NUMBER: 011 SHEET: 3 OF 3

ASPHALT DENSITY DETERMINATION REPORT

DATE: 7/31/2020

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:		X	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		
23		BS	475	146.5	121	8.7	6.3	156.2	93.8	42.4216, - 83.1606		16.00	BT	
24		BS	461	148.5	141	10.4	7.5	156.2	95.1	42.4205, - 83.16.05		10.00	BT	
25		BS	465	148.1	112	7.9	5.6	156.2	94.8	42.4190, - 83.1604		13.00	BT	
26		BS	462	148.5	121	8.7	6.2	156.2	95	42.4177, - 83.1603		8.00	BT	
27		BS	472	147.1	99	6.8	4.8	156.2	94.1	42.4170, - 83.1603		9.00	BT	
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		701			
REMARKS:										READING 2		705		
										READING 3		705		
										READING 4		700		
										OPERATING STANDARDS (READING 5)				
										DENSITY		MOISTURE		
										1830		703		
SOMAT FIELD REPRESENTATIVE: Garrett Hineman										DATE: 7/31/2020				
SOMAT PROJECT MANAGER(s): Steve Drummond, P.E.										DATE: 8/5/2020				

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