



Somat Engineering, Inc.

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ASTM D2950

REPORT NUMBER: 012 SHEET: 2 OF 2

ASPHALT DENSITY DETERMINATION REPORT

DATE: 8/3/2020

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:		WEARING COURSE (WC)		LEVELING COURSE (LC)		X		BASE COURSE (BC)		OTHER					
STRUCTURE: Approaches															
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			
12		BS	724	147.4	58	7.3	5.2	158.1	93.2	NE Wyomuing&Norfolk			BC		
13		BS	742	145.6	62	7.9	5.7	158.1	92.1	SW Wyoming&Norfolk			BC		
14		BS	723	147.5	59	7.4	5.3	158.1	93.3	SW Wyoming&Chippawa			BC		
15		BS	741	145.6	66	8.4	6.2	158.1	92.1	SW Wyoming&St.Martins			BC		
16		BS	728	146.9	68	8.7	6.3	158.1	92.9	SW Woming&Clarita			BC		
17		BS	741	145.7	61	7.7	5.6	158.1	92.1	SW Wyoming&Margareta			BC		
18		BS	740	145.7	73	9.4	6.9	158.1	92.2	SW Wyoming&Pickford			BC		
MAXIMUM DETERMINATION (LAB)										PRESCALE					
NOTE: Gmb to Marshall conversion is $Gmb * 62.4 (PCF) = MARSHALL (PCF)$										16					
NOTE: Gmm to TMD conversion is $Gmm * 62.4 (PCF) = TMD (PCF)$										16					
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%			DENSITY		MOISTURE				
REMARKS:										READING 1		2756		418	
Tests were taken approaches.										READING 2		2769		416	
										READING 3		2737		415	
										READING 4		2750		420	
										OPERATING STANDARDS (READING 5)					
										DENSITY		MOISTURE			
		2747		421											
SOMAT FIELD REPRESENTATIVE: Ryan Castillo										DATE: 8/3/2020					
SOMAT PROJECT MANAGER(s): Steve Drummond, P.E.										DATE: 8/10/2020					

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