



Somat Engineering, Inc.

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ASTM D2950

REPORT NUMBER: 202 SHEET: 2 OF 4

ASPHALT DENSITY DETERMINATION REPORT

DATE: 11/19/2020

JOB NUMBER: 2019057D-002 (PW-7023)

PROJECT NAME: Conner Improvements

LOCATION: Detroit, MI

GAUGE NUMBER: 2127

CLIENT: AECOM

OWNER: City of Detroit

CONTRACTOR: Ajax

PROJECT ENGINEER: Alan Ostrowski, P.E.

WEATHER: Partly 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			
12		BS	721	147	58	7.4	5.3	156.2	94.1	42.3769, -82.9634	33		WC		
13		BS	732	145.8	68	8.9	6.5	156.2	93.4	42.3758, -82.9627	31		WC		
14		BS	730	146.1	62	8	5.8	156.2	93.5	42.3748, -82.9620	30		WC		
15		BS	709	148.2	59	7.6	5.4	156.2	94.9	42.3738, -82.9614	35		WC		
16		BS	744	144.7	57	7.3	5.3	156.2	92.6	42.3777, -82.9640	22		WC		
17		BS	747	144.3	66	8.6	6.3	156.2	92.4	42.3767, -82.9633	24		WC		
18		BS	751	144	56	7.1	5.2	156.2	92.2	42.3754, -82.9624	23		WC		
19		BS	741	145	58	7.4	5.4	156.2	92.8	42.3744, -82.9617	22		WC		
20		BS	715	147.5	70	9.2	6.6	156.2	94.5	42.3732, -82.9610	20		WC		
21		BS	738	145.3	58	7.4	5.4	156.2	93	42.3779, -82.9640		14.00	WC		
22		BS	731	145.9	65	8.4	6.1	156.2	93.4	42.3768, -82.9634		12.00	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%			TMD/Gmm 92.0% - 96.0%					DENSITY		MOISTURE		
			TMD/Gmm 92.0% - 97.0%			X TMD/Gmm 92.0% - 98.0%					READING 1		421		
REMARKS:										READING 2		2735		418	
										READING 3		2751		418	
										READING 4		2730		421	
										OPERATING STANDARDS (READING 5)					
										DENSITY		MOISTURE			
										2721		415			
SOMAT FIELD REPRESENTATIVE: Ryan Castillo										DATE: 11/19/2020					
SOMAT PROJECT MANAGER(s): Steve Drummond, P.E.										DATE: 11/20/2020					

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