



Somat Engineering, Inc.

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ASTM D2950

REPORT NUMBER: 202 SHEET: 2 OF 4

ASPHALT DENSITY DETERMINATION REPORT

DATE: 11/18/2020

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: 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	728	146.5	60	7.6	5.5	156.2	93.8	42.3824, -82.9670	34		WC	
13		BS	722	147.1	61	7.7	5.5	156.2	94.2	42.3813, -82.9664	31		WC	
14		BS	735	145.8	58	7.3	5.3	156.2	93.4	42.3803, -82.9656	35		WC	
15		BS	740	145.3	61	7.7	5.6	156.2	93	42.3792, -82.9649	29		WC	
16		BS	753	144.1	56	7	5.1	156.2	92.2	42.3836, -82.9678	15		WC	
17		BS	722	147.2	57	7.2	5.1	156.2	94.2	42.3825, -82.9670	13		WC	
18		BS	757	143.7	57	7.2	5.2	156.2	92	42.3815, -82.9663	18		WC	
19		BS	710	148.4	61	7.7	5.5	156.2	95	42.3804, -82.9656	14		WC	
20		BS	709	148.5	56	7	5	156.2	95.1	42.3794, -82.9650	13		WC	
21		BS	737	145.6	67	8.6	6.3	156.2	93.2	42.3835, -82.9677		10.00	WC	
22		BS	749	144.4	62	7.9	5.8	156.2	92.5	42.3824, -82.9640		8.00	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		419	
REMARKS:										READING 2		421		
										READING 3		418		
										READING 4		418		
										OPERATING STANDARDS (READING 5)				
										DENSITY		MOISTURE		
										2730		421		
SOMAT FIELD REPRESENTATIVE: Ryan Castillo										DATE: 11/18/2020				
SOMAT PROJECT MANAGER(s): Steve Drummond, P.E.										DATE: 11/19/2020				

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