



Somat Engineering, Inc.

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ASTM D2950

REPORT NUMBER: 202 SHEET: 2 OF 3

ASPHALT DENSITY DETERMINATION REPORT

DATE: 11/5/2020

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:		WEARING COURSE (WC)		LEVELING COURSE (LC)		X		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	742	145.7	64	8.2	6	158.1	92.1	42.3714, -82.9598	24		BC
13		BS	713	148.6	66	8.5	6.1	158.1	94	42.3724, -82.9605	19		BC
14		BS	701	149.9	63	8.1	5.7	158.1	94.8	42.3735, -82.9612	22		BC
15		BS	697	150.3	67	8.6	6.1	158.1	95	42.3739, -82.9614	21		BC
16		BS	714	148.5	64	8.2	5.8	158.1	93.9	42.3702, -82.9589	8		BC
17		BS	695	150.5	66	8.5	6	158.1	95.2	42.3712, -82.9596	5		BC
18		BS	720	147.8	72	9.4	6.8	158.1	93.5	42.3724, -82.9604	9		BC
19		BS	731	146.8	57	7.2	5.2	158.1	92.9	42.3734, -82.9611	6		BC
20		BS	739	146	63	8.1	5.8	158.1	92.3	42.3702, -82.9590		7.00	BC
21		BS	715	148.4	65	8.3	6	158.1	93.9	42.3712, -82.9597		3.00	BC
22		BS	735	146.3	71	9.2	6.7	158.1	92.6	42.3723, -82.9604		10.00	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%			X TMD/Gmm 92.0% - 98.0%			READING 1		2766 414		
REMARKS:										READING 2		2766 417	
										READING 3		2766 418	
										READING 4		2770 423	
										OPERATING STANDARDS (READING 5)			
										DENSITY		MOISTURE	
										2752		419	
SOMAT FIELD REPRESENTATIVE: Ryan Castillo										DATE: 11/5/2020			
SOMAT PROJECT MANAGER(s): Steve Drummond, P.E.										DATE: 11/6/2020			

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