



Somat Engineering, Inc.

26445 Northline Rd, Taylor, MI 48180
Tel: 734-946-4966 Fax: 734-946-1147

ASTM D2950

REPORT NUMBER: 202 SHEET: 1 OF 3

ASPHALT DENSITY DETERMINATION REPORT

DATE: 11/20/2020

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 Cloudy

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		
1		BS	719	148.1	56	7.1	5	156.2	94.8	42.3702, -82.9590	32		WC	
2		BS	721	147.9	59	7.5	5.4	156.2	94.7	42.3711, -82.9596	31		WC	
3		BS	710	148.9	75	9.9	7.1	156.2	95.3	42.3721, -82.9602	33		WC	
4		BS	751	144.9	59	7.5	5.5	156.2	92.8	42.3700, -82.9589	22		WC	
5		BS	720	148	55	7	4.9	156.2	94.8	42.3711, -82.9596	20		WC	
6		BS	713	148.8	51	6.4	4.5	156.2	95.2	42.3721, -82.9602	19		WC	
7		BS	752	144.7	69	9	6.6	156.2	92.6	42.3700, -82.9589		32.00	WC	
8		BS	757	144.2	75	9.9	7.3	156.2	92.3	42.3710, -82.9595		34.00	WC	
9		BS	747	145.3	60	7.7	5.6	156.2	93	42.3721, -82.9602		31.00	WC	
10		BS	715	148.5	63	8.1	5.8	156.2	95.1	42.3700, -82.9589		23.00	WC	
11		BS	712	148.8	54	6.8	4.8	156.2	95.3	42.3711, -82.9596		20.00	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		2735 418	
REMARKS:										READING 2		2751 418		
										READING 3		2730 421		
										READING 4		2721 415		
										OPERATING STANDARDS (READING 5)				
										DENSITY		MOISTURE		
										2754		416		
SOMAT FIELD REPRESENTATIVE: Ryan Castillo										DATE: 11/20/2020				
SOMAT PROJECT MANAGER(s): Steve Drummond, P.E.										DATE: 11/21/2020				

*All results noted in this report relate only to items inspected or tested by Somat Engineering, Inc. and/or Somat Engineering of Ohio, Inc. (Somat). This report shall not be reproduced, except in full, without the prior written approval of Somat.