



Somat Engineering, Inc.

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

ASTM D2950

REPORT NUMBER: 202 SHEET: 3 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			
23		BS	726	146.7	64	8.2	5.9	156.2	93.9	42.3814, -82.9663		7.00	WC		
24		BS	713	148	68	8.7	6.3	156.2	94.8	42.3803, -82.9656		11.00	WC		
25		BS	745	144.9	57	7.2	5.2	156.2	92.7	42.3792, -82.9649		9.00	WC		
26		BS	754	144	57	7.2	5.2	156.2	92.2	42.3835, -82.9677		2.00	WC		
27		BS	741	145.3	55	6.9	5	156.2	93	42.3823, -82.9669	3		WC		
28		BS	754	143.9	69	8.9	6.6	156.2	92.1	42.3811, -82.9661		4.00	WC		
29		BS	754	144	60	7.6	5.6	156.2	92.2	42.3800, -82.9653		3.00	WC		
30		BS	731	146.2	66	8.4	6.1	156.2	93.6	42.3788, -82.9646	2		WC		
31		BS	735	145.8	70	9	6.6	156.2	93.3	42.3835, -82.9677	8		WC		
32		BS	744	144.9	69	8.9	6.5	156.2	92.7	42.3823, -82.9669	10		WC		
33		BS	742	145.1	63	8	5.8	156.2	92.9	42.3813, -82.9662	11		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		2752		421	
										READING 3		2735		418	
										READING 4		2751		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			

*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.