



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 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			
1		BS	739	145.4	57	7.2	5.2	156.2	93.1	42.3836, -82.9677		30.00	WC		
2		BS	734	146	56	7	5	156.2	93.4	42.3825, -82.9670		28.00	WC		
3		BS	757	143.7	60	7.6	5.6	156.2	92	42.3815, -82.9663		31.00	WC		
4		BS	734	145.9	62	7.9	5.7	156.2	93.4	42.3804, -82.9656		33.00	WC		
5		BS	731	146.2	67	8.6	6.2	156.2	93.6	42.3794, -82.9650		30.00	WC		
6		BS	743	145	65	8.3	6.1	156.2	92.8	42.3836, -82.9677		16.00	WC		
7		BS	734	145.9	65	8.2	6	156.2	93.4	42.3825, -82.9670		20.00	WC		
8		BS	727	146.6	64	8.2	5.9	156.2	93.9	42.3814, -82.9663		22.00	WC		
9		BS	710	148.4	61	7.7	5.5	156.2	95	42.3804, -82.9658		19.00	WC		
10		BS	753	144.1	58	7.3	5.3	156.2	92.2	42.3794, -82.9650		17.00	WC		
11		BS	705	148.9	60	7.6	5.4	156.2	95.3	42.3835, -82.9677	30		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.