



Somat Engineering, Inc.

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ASTM D2950

REPORT NUMBER: 202 SHEET: 2 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		
12		BS	753	144.6	68	8.8	6.5	156.2	92.6	42.3721, -82.9603		19.00	WC	
13		BS	758	144.2	60	7.7	5.6	156.2	92.3	NE Kercheval and Conner			WC	
14		BS	749	145.1	56	7.1	5.2	156.2	92.9	NE E.Vernor and Conner			WC	
15		BS	757	144.3	63	8.1	6	156.2	92.4	NE Charlevoix and Conner			WC	
16		BS	724	147.6	57	7.3	5.2	156.2	94.5	42.3701, -82.9589	13		WC	
17		BS	729	147	66	8.6	6.2	156.2	94.1	42.3710, -82.9595	11		WC	
18		BS	729	147.1	59	7.5	5.4	156.2	94.2	42.3721, -82.9596	5.6		WC	
19		BS	745	145.6	46	5.7	4	156.2	93.2	42.3700, -82.9590	5.2	4.00	WC	
20		BS	732	146.7	65	8.4	6.1	156.2	93.9	42.3710, -82.9595	6		WC	
21		BS	752	144.7	67	8.7	6.4	156.2	92.7	42.3720, -82.9602	5.2	3.00	WC	
22		BS	720	147.8	80	10.6	7.7	156.2	94.6	42.3701, -82.9589	6.2	9.00	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		

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