



Somat Engineering, Inc.

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ASTM D2950

REPORT NUMBER: 202 SHEET: 2 OF 3

ASPHALT DENSITY DETERMINATION REPORT

DATE: 11/3/2020

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	697	150.6	58	7.4	5.1	158.1	95.3	42.3811, -82.9661		15.00	BC	
13		BS	717	148.6	55	6.9	4.9	158.1	94	42.3802, -82.9653		19.00	BC	
14		BS	695	150.9	61	7.8	5.4	158.1	95.4	42.3793, -82.9646		22.00	BC	
15		BS	747	145.6	59	7.5	5.4	158.1	92.1	42.3835, -82.9677		9.00	BC	
16		BS	712	149.1	65	8.4	5.9	158.1	94.3	42.3823, -82.9669		5.00	BC	
17		BS	735	146.7	66	8.5	6.2	158.1	92.8	42.3812, -82.9662		7.00	BC	
18		BS	705	149.9	54	6.8	4.7	158.1	94.8	42.3801, -82.9655		10.00	BC	
19		BS	732	147	66	8.5	6.1	158.1	93	42.3792, -82.9649		3.00	BC	
20		BS	741	146.1	70	9.1	6.6	158.1	92.4	42.3835, -82.9677	4		BC	
21		BS	739	146.3	68	8.8	6.4	158.1	92.6	42.3823, -82.9669	9		BC	
22		BS	736	146.7	59	7.5	5.4	158.1	92.8	42.3813, -82.9662	5		BC	
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		2761 419	
REMARKS:										READING 2		2745 417		
										READING 3		2766 414		
										READING 4		2766 417		
										OPERATING STANDARDS (READING 5)				
										DENSITY		MOISTURE		
										2766		418		
SOMAT FIELD REPRESENTATIVE: Ryan Castillo										DATE: 11/3/2020				
SOMAT PROJECT MANAGER(s): Steve Drummond, P.E.										DATE: 11/4/2020				

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