



Somat Engineering, Inc.

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ASTM D2950

REPORT NUMBER: 202 SHEET: 3 OF 3

ASPHALT DENSITY DETERMINATION REPORT

DATE: 11/4/2020

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	
23		BS	740	146.4	64	8.1	5.9	158.1	92.6	42.3765, -82.9631	11		BC
24		BS	695	151	64	8.1	5.7	158.1	95.5	42.3753, -82.9624	5		BC
25		BS	707	149.7	61	7.7	5.4	158.1	94.7	42.3791, -82.9648	15		BC
26		BS	748	145.7	53	6.5	4.7	158.1	92.1	42.3780, -82.9641	19		BC
27		BS	749	145.5	63	8	5.8	158.1	92	42.3769, -82.9633	22		BC
28		BS	743	146.1	64	8.1	5.9	158.1	92.4	42.3757, -82.9626	18		BC
29		BS	710	149.4	60	7.5	5.3	158.1	94.5	42.3756, -82.9626	23		BC
30		BS	745	145.9	63	8	5.8	158.1	92.3	42.3749, -82.9621	19		BC
MAXIMUM DETERMINATION (LAB)										PRESCALE			
NOTE: Gmb to Marshall conversion is $Gmb * 62.4 (PCF) = MARSHALL (PCF)$										16			
NOTE: Gmm to TMD conversion is $Gmm * 62.4 (PCF) = TMD (PCF)$										16			
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		2745 417		
REMARKS:										READING 2		2766 414	
										READING 3		2766 417	
										READING 4		2766 418	
										OPERATING STANDARDS (READING 5)			
										DENSITY		MOISTURE	
										2770		423	
SOMAT FIELD REPRESENTATIVE: Ryan Castillo										DATE: 11/4/2020			
SOMAT PROJECT MANAGER(s): Steve Drummond, P.E.										DATE: 11/5/2020			

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