



Somat Engineering, Inc.

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ASTM D2950

REPORT NUMBER: 202 SHEET: 1 OF 4

ASPHALT DENSITY DETERMINATION REPORT

DATE: 11/19/2020

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 Suuny

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	716	147.5	64	8.3	6	156.2	94.4	42.3777, -82.9638			34.00	WC				
2		BS	696	149.6	60	7.7	5.4	156.2	95.8	42.3767, -82.9632			30.00	WC				
3		BS	708	148.4	53	6.7	4.7	156.2	95	42.3757, -82.9626			31.00	WC				
4		BS	730	146.1	61	7.9	5.7	156.2	93.5	42.3746, -82.9618			33.00	WC				
5		BS	723	146.8	53	6.7	4.8	156.2	94	42.3735, -82.9611			34.00	WC				
6		BS	741	145	62	8	5.8	156.2	92.8	42.3779, -82.9640			25.00	WC				
7		BS	752	143.9	58	7.4	5.4	156.2	92.1	42.3769, -82.9633			23.00	WC				
8		BS	737	145.3	65	8.4	6.2	156.2	93	42.3756, -82.9625			21.00	WC				
9		BS	729	146.2	63	8.1	5.9	156.2	93.6	42.3747, -82.9616			22.00	WC				
10		BS	730	146.1	61	7.9	5.7	156.2	93.5	42.3736, -82.9612			19.00	WC				
11		BS	711	148	60	7.7	5.5	156.2	94.8	42.3779, -82.9640		33		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%				READING 1		DENSITY		MOISTURE			
			TMD/Gmm 92.0% - 97.0%				X TMD/Gmm 92.0% - 98.0%						2752		421			
REMARKS:										READING 2		2735		418				
										READING 3		2751		418				
										READING 4		2730		421				
										OPERATING STANDARDS (READING 5)								
										DENSITY		MOISTURE						
										2721		415						
SOMAT FIELD REPRESENTATIVE: Ryan Castillo										DATE: 11/19/2020								
SOMAT PROJECT MANAGER(s): Steve Drummond, P.E.										DATE: 11/20/2020								

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