



Somat Engineering, Inc.

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ASTM D2950

REPORT NUMBER: 202 SHEET: 1 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		
1		BS	747	145.8	62	7.8	5.7	158.1	92.2	42.3786, -82.9644		29.00	BC	
2		BS	728	147.6	62	7.8	5.6	158.1	93.3	42.3775, -82.9633		33.00	BC	
3		BS	742	146.2	65	8.3	6	158.1	92.5	42.3763, -82.9630		28.00	BC	
4		BS	736	146.9	50	6.1	4.3	158.1	92.9	42.3753, -82.9623		31.00	BC	
5		BS	710	149.4	63	8	5.6	158.1	94.5	42.3745, -82.9618		27.00	BC	
6		BS	738	146.7	52	6.4	4.6	158.1	92.8	42.3785, -82.9644	32		BC	
7		BS	720	148.4	60	7.5	5.4	158.1	93.9	42.3774, -82.9637	27		BC	
8		BS	726	147.8	67	8.5	6.1	158.1	93.5	42.3763, -82.9630	34		BC	
9		BS	723	148.1	64	8.1	5.8	158.1	93.7	42.3753, -82.9622	28		BC	
10		BS	690	151.5	61	7.7	5.3	158.1	95.9	42.3744, -82.9617	33		BC	
11		BS	736	146.7	67	8.5	6.2	158.1	92.8	42.3787, -82.9646		16.00	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%			X		TMD/Gmm 92.0% - 96.0%			DENSITY		MOISTURE	
			TMD/Gmm 92.0% - 97.0%					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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