

**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			
12		BS	740	146.4	63	8	5.8	158.1	92.6	42.3777, -82.9639		20.00	BC		
13		BS	733	147	69	8.8	6.4	158.1	93	42.3767, -82.9632		15.00	BC		
14		BS	714	149	63	8	5.7	158.1	94.2	42.3757, -82.9626		19.00	BC		
15		BS	712	149.2	62	7.8	5.5	158.1	94.4	42.3747, -82.9616		24.00	BC		
16		BS	734	147	61	7.7	5.5	158.1	93	42.3787, -82.9645		7.00	BC		
17		BS	726	147.8	54	6.7	4.7	158.1	93.5	42.3776, -82.9639		10.00	BC		
18		BS	728	147.6	55	6.8	4.9	158.1	93.4	42.3769, -82.9632		5.00	BC		
19		BS	718	148.5	71	9.1	6.5	158.1	94	42.3756, -82.9625		7.00	BC		
20		BS	742	146.2	58	7.3	5.2	158.1	92.5	42..3745, -82.9620		3.00	BC		
21		BS	718	148.6	60	7.5	5.3	158.1	94	42.3787, -82.9646	4		BC		
22		BS	747	145.7	63	8	5.8	158.1	92.1	42.3775, -82.9638	9		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		2745		
REMARKS:										READING 2		2766		417	
										READING 3		2766		414	
										READING 4		2766		417	
										READING 5		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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