

**ASPHALT DENSITY
DETERMINATION REPORT**

DATE: 11/5/2020

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	719	148	66	8.5	6.1	158.1	93.6	42.3701, -82.9589	31		BC		
2		BS	737	146.2	63	8.1	5.8	158.1	92.5	42.3712, -82.9596	27		BC		
3		BS	732	146.7	69	8.9	6.5	158.1	92.8	42.3723, -82.9603	33		BC		
4		BS	745	145.5	55	6.9	5	158.1	92	42.3732, -82.9610	30		BC		
5		BS	734	146.5	61	7.8	5.6	158.1	92.7	42.3742, -82.9616	27		BC		
6		BS	704	149.6	59	7.5	5.3	158.1	94.6	42.3700, -82.9589		34.00	BC		
7		BS	725	147.4	60	7.6	5.5	158.1	93.2	42.3711, -82.9596		30.00	BC		
8		BS	742	145.7	58	7.3	5.3	158.1	92.2	42.3722, -82.9603		27.00	BC		
9		BS	716	148.4	54	6.8	4.8	158.1	93.9	42.3732, -82.9610		31.00	BC		
10		BS	720	147.9	63	8.1	5.8	158.1	93.6	42.3741, -82.9616		34.00	BC		
11		BS	736	146.3	60	7.6	5.5	158.1	92.5	42.3702, -82.9590	16		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		2766		
REMARKS:										READING 2		2766		417	
										READING 3		2766		418	
										READING 4		2770		423	
										OPERATING STANDARDS (READING 5)					
										DENSITY		MOISTURE			
										2752		419			
SOMAT FIELD REPRESENTATIVE: Ryan Castillo										DATE: 11/5/2020					
SOMAT PROJECT MANAGER(s): Steve Drummond, P.E.										DATE: 11/6/2020					

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