

**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		
23		BS	719	148	66	8.5	6.1	158.1	93.6	42.3735, -82.9611		4.00	BC	
24		BS	694	150.6	66	8.5	6	158.1	95.2	42.3741, -82.9615		8.00	BC	
25		BS	727	147.2	61	7.8	5.6	158.1	93.1	42.3703, -82.9590		34.00	BC	
26		BS	733	146.6	61	7.8	5.6	158.1	92.7	42.3714, -82.9598		33.00	BC	
27		BS	718	148.1	65	8.3	6	158.1	93.7	42.3724, -82.9604		29.00	BC	
28		BS	707	149.2	65	8.3	5.9	158.1	94.4	42.3733, -82.9611		32.00	BC	
29		BS	725	147.4	57	7.2	5.1	158.1	93.3	42.3740, -82.9614		28.00	BC	
30		BS	717	148.2	61	7.8	5.5	158.1	93.8	Connor&E.Venor			BC	
31		BS	745	145.4	60	7.6	5.5	158.1	92	Connor&E.Venor			BC	
32		BS	720	147.9	70	9.1	6.5	158.1	93.5	Connor& NE Charlevoix			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				
										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%			2766		414	
REMARKS:										READING 1		2766		414
										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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