

**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 Sunny

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			
23		BS	703	148.8	61	7.9	5.6	156.2	95.3	42.3757, -82.9626		10.00	WC		
24		BS	718	147.3	66	8.6	6.2	156.2	94.3	42.3746, -82.9619		13.00	WC		
25		BS	751	144	63	8.1	6	156.2	92.2	42.3732, -82.9610		15.00	WC		
26		BS	726	146.4	66	8.6	6.2	156.2	93.8	42.3781, -82.9614		7.00	WC		
27		BS	718	147.3	64	8.3	6	156.2	94.3	42.3770, -82.9634	4		WC		
28		BS	700	149.1	62	8	5.7	156.2	95.5	42.3760, -82.9627		3.00	WC		
29		BS	721	147	56	7.1	5.1	156.2	94.1	42.3748, -82.9620	5		WC		
30		BS	716	147.5	64	8.3	6	156.2	94.4	42.3747, -82.9613		5.00	WC		
31		BS	699	149.2	66	8.6	6.1	156.2	95.5	42.3781, -82.9642	9		WC		
32		BS	712	147.9	57	7.3	5.2	156.2	94.7	42.3770, -82.9634	11		WC		
33		BS	704	148.7	63	8.1	5.8	156.2	95.2	42.3759, -82.9628	13		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%					DENSITY		MOISTURE		
			TMD/Gmm 92.0% - 97.0%			X TMD/Gmm 92.0% - 98.0%					READING 1		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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