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ASTM D2950

REPORT NUMBER: 024 SHEET: 2 OF 2

ASPHALT DENSITY DETERMINATION REPORT

DATE:	9/3/2020	CLIENT:	CoD/WSP
JOB NUMBER:	2020073E (PW-7018)	OWNER:	City of Detroit (CoD)
PROJECT NAME:	HMA Mill & Resurfacing 2020	CONTRACTOR:	Ajax
LOCATION:	Detroit, MI	PROJECT ENGINEER:	Jason Lukasik, P.E.
GAUGE NUMBER:	10959	WEATHER:	Fair

TEST PERFORMED ON:	X	WEARING COURSE (WC)		LEVELING COURSE (LC)		BASE COURSE (BC)		OTHER	
STRUCTURE:									

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	
11		BS	515	148.6	90	7.5	5.3	156.6	94.9	42.4433, - 83.1614		3.00	BT
12		BS	546	144.9	91	7.6	5.5	156.6	92.5	42.4409, - 83.1613	8		BT
13		BS	520	148	90	7.5	5.3	156.6	94.5	42.4368, - 83.1612		7.00	BT

MAXIMUM DETERMINATION (LAB)				
NOTE: Gmb to Marshall conversion is Gmb * 62.4 (PCF) = MARSHALL (PCF)				
NOTE: Gmm to TMD conversion is Gmm * 62.4 (PCF) = TMD (PCF)				
MAXIMUM WET DENSITY BY:		MARSHALL/Gmb 95.0%		TMD/Gmm 92.0% - 96.0%
		TMD/Gmm 92.0% - 97.0%	X	TMD/Gmm 92.0% - 98.0%

REMARKS:

MIX = 5E3 These tests were done on the NB side

PRESCALE		
	16	16
	DENSITY	MOISTURE
	DENSITY	MOISTURE
READING 1	2160	592
READING 2	2171	593
READING 3	2175	595
READING 4	2175	593
OPERATING STANDARDS (READING 5)		
	DENSITY	MOISTURE
	2171	594

SOMAT FIELD REPRESENTATIVE:	Garrett Hineman	DATE:	9/3/2020
SOMAT PROJECT MANAGER(s):	Steve Drummond, P.E.	DATE:	9/4/2020

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