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ASTM D2950

REPORT NUMBER: 002 SHEET: 4 OF 4

ASPHALT DENSITY DETERMINATION REPORT

DATE:	7/15/2020	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:	18353	WEATHER:	Sunny

TEST PERFORMED ON:		WEARING COURSE (WC)	X	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	
34		BS	358	149	98	9.5	6.8	158.1	94.3	42.3590, -83.1031	EB1		LC
35		BS	371	146.4	101	9.8	7.2	158.1	92.6	42.3598, -83.1010	EB1		LC
36		BS	366	147.4	107	10.5	7.7	158.1	93.2	42.3601, -83.1003	EB1		LC
37		BS	376	145.4	112	11.1	8.2	158.1	92	Approach on Linwood and W Grand River	-	-	LC

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%

PRESCALE		
	16	16
	DENSITY	MOISTURE
READING 1	1442	539
READING 2	1439	544
READING 3	1446	545
READING 4	1434	560
OPERATING STANDARDS (READING 5)		
	DENSITY	MOISTURE
	1446	542

REMARKS:

Mix = 4E3, TMD = 158.1, on W Grand Blv starting at linwood ending at Grand River

EB1 = East bound Line 1(First lane from center)
EB2 = East bound Line 2(second lane from center)
WB1 = West bound Line 1(First lane from center)
WB1 = West bound Line 2(second lane from center)

SOMAT FIELD REPRESENTATIVE:	San Rofoo	DATE:	7/15/2020
SOMAT PROJECT MANAGER(s):	Steve Drummond, P.E.	DATE:	7/17/2020

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