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ASTM D2950

REPORT NUMBER: 016 SHEET: 2 OF 2

ASPHALT DENSITY DETERMINATION REPORT

DATE: 8/7/2020

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:			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	
12		BS	512	147.9	84	7	4.9	158.4	93.4	42.3503, - 83.2418	8		BL
13		BS	504	148.9	100	8.6	6.1	158.4	94	42.3502, - 83.2442		5.00	BL
14		BS	524	146.5	81	6.7	4.8	158.4	92.4	42.3502, - 83.2454	4		BL
15		BS	510	148.1	96	8.2	5.8	158.4	93.5	42.3502, - 83.2466		9.00	BL
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	2169	593
REMARKS:										READING 2		2142	591
4E3= MIX										READING 3		2156	592
										READING 4		2139	591
										OPERATING STANDARDS (READING 5)			
										DENSITY		MOISTURE	
										2135		589	
SOMAT FIELD REPRESENTATIVE:				Garrett Hineman						DATE:		8/7/2020	
SOMAT PROJECT MANAGER(s):				Steve Drummond, P.E.						DATE:		8/12/2020	

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