

Michigan Department
Of Transportation
1907 (10/15)

MDOT REPORT OF COMPACTED HMA CORE DENSITY & PERCENT COMPACTION



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CONTROL SECTION 82000	JOB NUMBER 205935A/207914A	PROJECT LOCATION On Various Routes				MIXTURE TYPE 4E3	MIX DESIGN No. 19MD411	REPORT NUMBER 1	
CONTRACTOR AJAX Paving Industries, Inc.				PLANT NUMBER 020-10		PLANT LOCATION Warren			
PROJECT ENGINEER Richard T. Doherty		NAME OF TESTER (Please Print) Brian Gondek		TESTER (Signature) Brian J. Gondek Brian J. Gondek Jun 25 2020 9:39 AM		QUALIFICATION NUMBER 383-0421		LOT NUMBER	
DATE		05/13/20	05/13/20	05/13/20					
Average Core Thickness (After trimming)		2	1-3/4	1-3/4					
SUBLOT NUMBER / CORE LETTER		1A	1B	1C					
A. WEIGHT OF CORE (in water), grams		1,115.1	988.5	946.5					
B. WEIGHT OF CORE (surface dry), grams		1,906.9	1,704.9	1,641.3					
C. WEIGHT OF CORE & PAN (oven dry), grams		1,898.0	1,688.2	1,613.5					
D. WEIGHT OF PAN, grams									
E. WEIGHT OF CORE (C - D), grams		1,898.0	1,688.2	1,613.5					
F. VOLUME OF CORE (B - A), cc		791.8	716.4	694.8					
G. CORE SPECIFIC GRAVITY (E / F)		2.397	2.357	2.322					
H. SUBLOT G _{mm}				SUBLOT G _{mm} 2.534			SUBLOT G _{mm}	SUBLOT G _{mm}	
I. % CORE COMPACTION (G / H) x 100		94.59	93.01	91.63					
J. SUBLOT % CORE COMPACTION (Average of cores)		93.08							
K. LOT AVERAGE DENSITY (Sum of J / number of sublots in lot)									

REMARKS: M-10 at Howard and Lafayette. Cores represent the HMA placed on 5-6-2020