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Michigan Department
Of Transportation
1903B (05/15)

REPORT OF QUALITY ASSURANCE TESTING

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File 208

CONTROL SECTION STU 82000	JOB NUMBER 205935A	PROJECT LOCATION HMA Resurfacing 20+ Various Locations	MIX DESIGN NO 19MD140	MIXTURE TYPE 5E3	DATE SAMPLED 11/06/19	DATE TESTED 11/13/19
CONTRACTOR AJAX Paving Industries, Inc.			PLANT NUMBER 20-10	PLANT LOCATION Warren (Sherwood)		SUBLOT SIZE AM
PROJECT ENGINEER Richard T. Doherty - City of Detroit Engineering		NAME OF TESTER (Please Print) Brian Gondek - Somat Engineering, Inc.		QUALIFICATION NO. 0383-0421	LOT NUMBER 1	SUB LOT NUMBER 1
Gb 1.029	Gsb 2.696	Gse 2.763	NAME OF TESTER (Signature) Brian Gondek Digitally signed by Brian Gondek DN: cn=Brian Gondek, o=Somat Engineering Inc., ou=Laboratory Supervisor, email=bgondek@somateng.com, c=US Date: 2019.11.15 15:30:23 -0500		FORM 1911 DATE 09/30/19	SUBLOT RANDOM TONS
ACCUMULATED TONS						

TEST RESULTS							TEST RESULTS							
	JMF	MDOT	CONTR	MDOT DIFF. JMF*	MDOT DIFF. CONTR*	TOL		JMF	MDOT	CONTR	MDOT DIFF. JMF*	MDOT DIFF. CONTR*	TOL	
P 1-½" (37.5 mm)	100.00	100.00		0.00	100.00	+/- 5.0	ASPHALT %	6.15	6.20		0.05	6.20	-0.3 / +0.4	
P 1" (25.0 mm)	100.00	100.00		0.00	100.00	+/- 5.0	Gmm	2.504						
P ¾" (19.0 mm)	100.00	100.00		0.00	100.00	+/- 5.0	Gmb @ N DESIGN	2.416						
P ½" (12.5 mm)	100.00	100.00		0.00	100.00	+/- 5.0	AIR VOIDS	3.50						
P 3/8" (9.5 mm)	99.50	98.47		-1.03	98.47	+/- 5.0	VMA	15.90						
P No. 4 (4.75 mm)	83.50	81.12		-2.38	81.12	+/- 5.0	VFA	77.99						
P No. 8 (2.36 mm)	62.20	61.01		-1.19	61.01	+/- 5.0	F/A RATIO	1.17						
P No. 16 (1.18 mm)	46.40	47.48		1.08	47.48			GRADE		CERTIFIED SUPPLIER/LOCATION/CERT#			% ADD	
P No. 30 (600 µm)	34.80	34.25		-0.55	34.25	+/- 4.0	ASPHALT BINDER	PG 58-28		Ajax Terminal/Detroit/2500			4.54	
P No. 50 (300 µm)	18.20	18.23		0.03	18.23		Gmb WEIGHTS/COMPACTION TEMPERATURE							degrees F
P No. 100 (150 µm)	10.20	8.29		-1.91	8.29									
P No. 200 (75 µm)	6.20	5.92		-0.28	5.92	+/- 1.0	NUMBER OF SOLVENT WASHES (When using the vacuum extraction method for Asphalt %)							
CRUSH – 1 FACE	97.7	96.9		-0.8	96.9	< 10%								
CRUSH – 2 FACE														

REMARKS Field Sampled by: Vishnu G.

Within RANGE 1 tolerance limits for Top Course (12SP-501J-05 dated 07-05-16)

*CIRCLE TEST RESULTS OUT OF TOLERANCE