

Clear Form

Michigan Department
Of Transportation
1903B (05/15)

REPORT OF QUALITY ASSURANCE TESTING

DISTRIBUTION: ORIGINAL – Project Engineer, COPIES – QA Laboratory, TMI, and Lansing C & T

File 208

CONTROL SECTION STU 82000	JOB NUMBER 205935A	PROJECT LOCATION HMA Resurfacing 20+ Various Locations	MIX DESIGN NO 18MD276	MIXTURE TYPE 4E3	DATE SAMPLED 10/12/19	DATE TESTED 10/18/19
CONTRACTOR AJAX Paving Industries, Inc.			PLANT NUMBER 20-10	PLANT LOCATION Warren (Sherwood)		SUBLOT SIZE PM
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 4	SUB LOT NUMBER 2
Gb 1.029	Gsb 2.710	Gse 2.747	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: 2019.10.29 09:36:32 -0400		FORM 1911 DATE 09/30/19	SUBLOT RANDOM TONS 50.47
					ACCUMULATED TONS 1,799.52	

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 %	5.04	5.26		0.22	5.26	-0.3 / +0.4
P 1" (25.0 mm)	100.00	100.00		0.00	100.00	+/- 5.0	Gmm	2.534					
P ¾" (19.0 mm)	100.00	100.00		0.00	100.00	+/- 5.0	Gmb @ N DESIGN	2.445					
P ½" (12.5 mm)	95.60	95.77		0.17	95.77	+/- 5.0	AIR VOIDS	3.50					
P 3/8" (9.5 mm)	84.70	83.68		-1.02	83.68	+/- 5.0	VMA	14.32					
P No. 4 (4.75 mm)	61.90	61.54		-0.36	61.54	+/- 5.0	VFA	75.56					
P No. 8 (2.36 mm)	46.30	45.52		-0.78	45.52	+/- 5.0	F/A RATIO	1.21					
P No. 16 (1.18 mm)	34.40	35.61		1.21	35.61			GRADE		CERTIFIED SUPPLIER/LOCATION/CERT#			% ADD
P No. 30 (600 µm)	26.40	26.32		-0.08	26.32	+/- 4.0	ASPHALT BINDER	PG 58-28		Ajax Terminal/Detroit/2500			3.69
P No. 50 (300 µm)	14.10	14.73		0.63	14.73		Gmb WEIGHTS/COMPACTION TEMPERATURE 270 degrees F						
P No. 100 (150 µm)	8.40	7.83		-0.57	7.83								
P No. 200 (75 µm)	5.50	5.58		0.08	5.58	+/- 1.0	NUMBER OF SOLVENT WASHES (When using the vacuum extraction method for Asphalt %)						
CRUSH – 1 FACE	96.9	97.2		0.3	97.2	< 10%							
CRUSH – 2 FACE													

REMARKS Sample Load: 37, Time: 4:30 PM, Location: After Cutler on McClellan, Field Sampled by: Andrew Patterson

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

*CIRCLE TEST RESULTS OUT OF TOLERANCE