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Michigan Department  
of Transportation  
1903B (04/20)

# REPORT OF QUALITY ASSURANCE TESTING

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File 208

|                                            |                       |                                                      |                                                                            |                               |                            |                              |
|--------------------------------------------|-----------------------|------------------------------------------------------|----------------------------------------------------------------------------|-------------------------------|----------------------------|------------------------------|
| CONTROL SECTION<br>82000                   | JOB NUMBER<br>205935A | PROJECT LOCATION<br>On Various Routes                | MIX DESIGN NO<br>19MD411                                                   | MIXTURE TYPE<br>5E3           | DATE SAMPLED<br>11/10/20   | DATE TESTED<br>11/23/20      |
| CONTRACTOR<br>AJAX Paving Industries, Inc. |                       |                                                      | PLANT NUMBER<br>020-10                                                     | PLANT LOCATION<br>Warren      |                            | SUBLOT SIZE                  |
| PROJECT ENGINEER<br>Richard T. Doherty     |                       | NAME OF TESTER <i>(Please Print)</i><br>Brian Gondek |                                                                            | QUALIFICATION NO.<br>383-0421 | LOT NUMBER<br>26           | SUB LOT NUMBER<br>2 PM       |
| Gb<br>1.029                                | Gsb<br>2.696          | Gse<br>2.763                                         | NAME OF TESTER <i>(Signature)</i><br>Brian J. Gondek<br>Dec 3 2020 3:28 PM |                               | FORM 1911 DATE<br>04/14/20 | SUBLOT RANDOM TONS<br>806.00 |
| ACCUMULATED TONS                           |                       |                                                      |                                                                            |                               |                            |                              |

| TEST RESULTS       |        |        |       |                        |                          |      | TEST RESULTS                                                                     |          |       |                                     |                        |                          |             |
|--------------------|--------|--------|-------|------------------------|--------------------------|------|----------------------------------------------------------------------------------|----------|-------|-------------------------------------|------------------------|--------------------------|-------------|
|                    | JMF    | MDOT   | CONTR | MDOT<br>DIFF.<br>JMF * | MDOT<br>DIFF.<br>CONTR * | TOL  |                                                                                  | JMF      | MDOT  | CONTR                               | MDOT<br>DIFF.<br>JMF * | MDOT<br>DIFF.<br>CONTR * | TOL         |
| P 1-½" (37.5 mm)   | 100.00 | 100.00 |       | 0.00                   | 100.00                   | 5.0  | ASPHALT %                                                                        | 6.15     | 5.97  |                                     | -0.18                  | 5.97                     | +0.40/-0.30 |
| P 1" (25.0 mm)     | 100.00 | 100.00 |       | 0.00                   | 100.00                   | 5.0  | Gmm                                                                              | 2.504    | 2.488 |                                     | -0.016                 | 2.488                    |             |
| 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  | 99.25  |       | -0.25                  | 99.25                    | 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  | 63.95  |       | 1.75                   | 63.95                    | 5.0  | F/A RATIO                                                                        | 1.17     |       |                                     |                        |                          |             |
| P No. 16 (1.18 mm) | 46.40  | 50.17  |       | 3.77                   | 50.17                    |      | Gse                                                                              |          |       |                                     |                        |                          |             |
| P No. 30 (600 µm)  | 34.80  | 34.12  |       | -0.68                  | 34.12                    | 4.0  |                                                                                  | GRADE    |       | CERTIFIED SUPPLIER / LOCATION/CERT# |                        |                          | % ADD       |
| P No. 50 (300 µm)  | 18.20  | 16.80  |       | -1.40                  | 16.80                    |      | ASPHALT BINDER                                                                   | PG 58-28 |       | Ajax Asphalt Terinal Detroit 2500   |                        |                          | 4.54        |
| P No. 100 (150 µm) | 10.20  | 9.17   |       | -1.03                  | 9.17                     |      | Gmb WEIGHTS/COMPACTION TEMPERATURE                                               |          |       |                                     |                        |                          |             |
| P No. 200 (75 µm)  | 6.20   | 6.26   |       | 0.06                   | 6.26                     | 1.0  | NUMBER OF SOLVENT WASHES (When using the vacuum extraction method for Asphalt %) |          |       |                                     |                        |                          |             |
| CRUSH – 1 FACE     | 97.7   | 97.2   |       | -0.5                   | 97.2                     | 10.0 |                                                                                  |          |       |                                     |                        |                          |             |
| CRUSH – 2 FACE     |        |        |       |                        |                          |      |                                                                                  |          |       |                                     |                        |                          |             |

REMARKS Sampled at Joy & Southfield Service Drive @ 11:15 AM

\* CIRCLE TEST RESULTS OUT OF TOLERANCE