

# REPORT OF QUALITY ASSURANCE TESTING

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

|                                            |  |                       |  |                                               |  |                                                                      |  |                               |  |                            |  |                              |  |
|--------------------------------------------|--|-----------------------|--|-----------------------------------------------|--|----------------------------------------------------------------------|--|-------------------------------|--|----------------------------|--|------------------------------|--|
| CONTROL SECTION<br>82000                   |  | JOB NUMBER<br>205935A |  | PROJECT LOCATION<br>On Various Routes         |  | MIX DESIGN NO<br>19MD140                                             |  | MIXTURE TYPE<br>5E3           |  | DATE SAMPLED<br>09/10/20   |  | DATE TESTED<br>09/30/20      |  |
| 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 (Please Print)<br>Brian Gondek |  |                                                                      |  | QUALIFICATION NO.<br>383-0421 |  | LOT NUMBER<br>22           |  | SUB LOT NUMBER<br>2 PM       |  |
| Gb<br>1.029                                |  | Gsb<br>2.696          |  | Gse<br>2.763                                  |  | NAME OF TESTER (Signature)<br>Brian J. Gondek<br>Oct 28 2020 2:46 PM |  |                               |  | FORM 1911 DATE<br>04/14/20 |  | SUBLOT RANDOM TONS<br>192.00 |  |
|                                            |  |                       |  |                                               |  |                                                                      |  |                               |  |                            |  |                              |  |

| 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     | 6.51  |                                     | 0.36                   | 6.51                     | +0.40/-0.30 |
| P 1" (25.0 mm)     | 100.00 | 100.00 |       | 0.00                   | 100.00                   | 5.0  | Gmm                                                                              | 2.504    | 2.497 |                                     | -0.007                 | 2.497                    |             |
| 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  | 97.17  |       | -2.33                  | 97.17                    | 5.0  | VMA                                                                              | 15.90    |       |                                     |                        |                          |             |
| P No. 4 (4.75 mm)  | 83.50  | 79.97  |       | -3.53                  | 79.97                    | 5.0  | VFA                                                                              | 77.99    |       |                                     |                        |                          |             |
| P No. 8 (2.36 mm)  | 62.20  | 59.14  |       | -3.06                  | 59.14                    | 5.0  | F/A RATIO                                                                        | 1.17     |       |                                     |                        |                          |             |
| P No. 16 (1.18 mm) | 46.40  | 46.03  |       | -0.37                  | 46.03                    |      | Gse                                                                              |          |       |                                     |                        |                          |             |
| P No. 30 (600 µm)  | 34.80  | 31.63  |       | -3.17                  | 31.63                    | 4.0  |                                                                                  | GRADE    |       | CERTIFIED SUPPLIER / LOCATION/CERT# |                        |                          | % ADD       |
| P No. 50 (300 µm)  | 18.20  | 15.67  |       | -2.53                  | 15.67                    |      | ASPHALT BINDER                                                                   | PG 58-28 |       | Ajax Asphalt Terinal Detroit 2500   |                        |                          | 4.54        |
| P No. 100 (150 µm) | 10.20  | 8.06   |       | -2.14                  | 8.06                     |      | Gmb WEIGHTS/COMPACTION TEMPERATURE                                               |          |       |                                     |                        |                          |             |
| P No. 200 (75 µm)  | 6.20   | 5.87   |       | -0.33                  | 5.87                     | 1.0  | NUMBER OF SOLVENT WASHES (When using the vacuum extraction method for Asphalt %) |          |       |                                     |                        |                          |             |
| CRUSH – 1 FACE     | 97.7   | 97.6   |       | -0.1                   | 97.6                     | 10.0 |                                                                                  |          |       |                                     |                        |                          |             |
| CRUSH – 2 FACE     |        |        |       |                        |                          |      |                                                                                  |          |       |                                     |                        |                          |             |

REMARKS Sampled at Bagley &amp; 20th @ 12:50 PM

\* CIRCLE TEST RESULTS OUT OF TOLERANCE