

# REPORT OF QUALITY ASSURANCE TESTING

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|                                            |                               |                                                        |                                                                               |                               |                            |                                |
|--------------------------------------------|-------------------------------|--------------------------------------------------------|-------------------------------------------------------------------------------|-------------------------------|----------------------------|--------------------------------|
| CONTROL SECTION<br>82000                   | JOB NUMBER<br>205935A/207914A | PROJECT LOCATION<br>On Various Routes                  | MIX DESIGN NO<br>19MD411                                                      | MIXTURE TYPE<br>4E3           | DATE SAMPLED<br>08/31/20   | DATE TESTED<br>09/16/20        |
| 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>27           | SUB LOT NUMBER<br>2 PM         |
| Gb<br>1.029                                | Gsb<br>2.707                  | Gse<br>2.752                                           | NAME OF TESTER ( <i>Signature</i> )<br>Brian J. Gondek<br>Sep 24 2020 9:29 AM |                               | FORM 1911 DATE<br>04/14/20 | SUBLOT RANDOM TONS<br>1,417.00 |
| 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 %                                                                        | 5.15  | 5.47  |                                     | 0.32                   | 5.47                     | 0.40/-0.30 |
| P 1" (25.0 mm)     | 100.00 | 100.00 |       | 0.00                   | 100.00                   | 5.0  | Gmm                                                                              | 2.534 | 2.524 |                                     | -0.010                 | 2.524                    |            |
| 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)     | 99.40  | 95.62  |       | -3.78                  | 95.62                    | 5.0  | AIR VOIDS                                                                        | 3.50  |       |                                     |                        |                          |            |
| P 3/8" (9.5 mm)    | 84.00  | 83.52  |       | -0.48                  | 83.52                    | 5.0  | VMA                                                                              | 14.34 |       |                                     |                        |                          |            |
| P No. 4 (4.75 mm)  | 61.60  | 59.79  |       | -1.81                  | 59.79                    | 5.0  | VFA                                                                              | 75.58 |       |                                     |                        |                          |            |
| P No. 8 (2.36 mm)  | 45.60  | 45.24  |       | -0.36                  | 45.24                    | 5.0  | F/A RATIO                                                                        | 1.21  |       |                                     |                        |                          |            |
| P No. 16 (1.18 mm) | 34.00  | 35.14  |       | 1.14                   | 35.14                    |      | Gse                                                                              |       |       |                                     |                        |                          |            |
| P No. 30 (600 µm)  | 26.50  | 25.54  |       | -0.96                  | 25.54                    | 4.0  |                                                                                  | GRADE |       | CERTIFIED SUPPLIER / LOCATION/CERT# |                        |                          | % ADD      |
| P No. 50 (300 µm)  | 14.20  | 14.01  |       | -0.19                  | 14.01                    |      | ASPHALT BINDER                                                                   |       |       |                                     |                        |                          | 3.79       |
| P No. 100 (150 µm) | 8.50   | 6.73   |       | -1.77                  | 6.73                     |      | Gmb WEIGHTS/COMPACTION TEMPERATURE                                               |       |       |                                     |                        |                          |            |
| P No. 200 (75 µm)  | 5.50   | 4.84   |       | -0.66                  | 4.84                     | 1.0  | NUMBER OF SOLVENT WASHES (When using the vacuum extraction method for Asphalt %) |       |       |                                     |                        |                          |            |
| CRUSH – 1 FACE     | 97.0   | 97.7   |       | 0.7                    | 97.7                     | 10.0 |                                                                                  |       |       |                                     |                        |                          |            |
| CRUSH – 2 FACE     |        |        |       |                        |                          |      |                                                                                  |       |       |                                     |                        |                          |            |

REMARKS Sampled at 1:00 PM

\* CIRCLE TEST RESULTS OUT OF TOLERANCE