

# REPORT OF QUALITY ASSURANCE TESTING

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|                                            |                       |                                                             |                                                                      |                               |                            |                                                  |
|--------------------------------------------|-----------------------|-------------------------------------------------------------|----------------------------------------------------------------------|-------------------------------|----------------------------|--------------------------------------------------|
| CONTROL SECTION<br>N/A                     | JOB NUMBER<br>PW-7018 | PROJECT LOCATION<br>HMA Mill & Resurfacing 2020 Major Roads | MIX DESIGN NO<br>19MD140                                             | MIXTURE TYPE<br>5E3           | DATE SAMPLED<br>08/21/20   | DATE TESTED<br>08/31/20                          |
| CONTRACTOR<br>AJAX Paving Industries, Inc. |                       |                                                             | PLANT NUMBER<br>020-10                                               | PLANT LOCATION<br>Warren      |                            | SUBLOT SIZE                                      |
| PROJECT ENGINEER<br>Jason Lukasik, P.E.    |                       | NAME OF TESTER (Please Print)<br>Brian Gondek               |                                                                      | QUALIFICATION NO.<br>383-0421 | LOT NUMBER<br>5            | SUB LOT NUMBER<br>1 AM                           |
| Gb<br>1.029                                | Gsb<br>2.696          | Gse<br>2.763                                                | NAME OF TESTER (Signature)<br>Brian J. Gondek<br>Sep 23 2020 3:26 PM |                               | FORM 1911 DATE<br>04/14/20 | ACCUMULATED TONS<br>SUBLOT RANDOM TONS<br>199.00 |

| 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     | 6.35  |                                     | 0.20                   | 6.35                     | 0.40/-0.30 |
| P 1" (25.0 mm)     | 100.00 | 100.00 |       | 0.00                   | 100.00                   | 5.0  | Gmm                                                                              | 2.504    | 2.494 |                                     | -0.010                 | 2.494                    |            |
| 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  | 98.81  |       | -0.69                  | 98.81                    | 5.0  | VMA                                                                              | 15.90    |       |                                     |                        |                          |            |
| P No. 4 (4.75 mm)  | 83.50  | 81.97  |       | -1.53                  | 81.97                    | 5.0  | VFA                                                                              | 78.00    |       |                                     |                        |                          |            |
| P No. 8 (2.36 mm)  | 62.20  | 63.19  |       | 0.99                   | 63.19                    | 5.0  | F/A RATIO                                                                        | 1.17     |       |                                     |                        |                          |            |
| P No. 16 (1.18 mm) | 46.40  | 49.22  |       | 2.82                   | 49.22                    |      | Gse                                                                              |          |       |                                     |                        |                          |            |
| P No. 30 (600 µm)  | 34.80  | 33.04  |       | -1.76                  | 33.04                    | 4.0  |                                                                                  | GRADE    |       | CERTIFIED SUPPLIER / LOCATION/CERT# |                        |                          | % ADD      |
| P No. 50 (300 µm)  | 18.20  | 15.98  |       | -2.22                  | 15.98                    |      | ASPHALT BINDER                                                                   | PG 58-28 |       | Ajax Asphalt Terminal               |                        |                          | 4.54       |
| P No. 100 (150 µm) | 10.20  | 9.45   |       | -0.75                  | 9.45                     |      | Gmb WEIGHTS/COMPACTION TEMPERATURE                                               |          |       |                                     |                        |                          |            |
| P No. 200 (75 µm)  | 6.20   | 7.02   |       | 0.82                   | 7.02                     | 1.0  | NUMBER OF SOLVENT WASHES (When using the vacuum extraction method for Asphalt %) |          |       |                                     |                        |                          |            |
| CRUSH – 1 FACE     | 97.7   | 97.4   |       | -0.3                   | 97.4                     | 10.0 |                                                                                  |          |       |                                     |                        |                          |            |
| CRUSH – 2 FACE     |        |        |       |                        |                          |      |                                                                                  |          |       |                                     |                        |                          |            |

REMARKS Sampled at Forest &amp; John C Lodge @ 8:40 AM

\* CIRCLE TEST RESULTS OUT OF TOLERANCE