

Michigan Department  
of Transportation  
1903C (04/20)

## DAILY REPORT OF CONTRACTOR'S QUALITY CONTROL TESTS

DISTRIBUTION: ORIGINAL - Project Engineer, COPIES - TMI

|                                        |  |                       |  |                                                   |  |                                     |  |                                                                                                                                            |  |                             |  |                                   |  |                          |  |
|----------------------------------------|--|-----------------------|--|---------------------------------------------------|--|-------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------|--|-----------------------------------|--|--------------------------|--|
| CONTROL SECTION<br>STU 82000           |  | JOB NUMBER<br>205935A |  | PROJECT LOCATION<br>Various Route In Detroit      |  | MIX DESIGN NUMBER<br>19MD 140       |  | MIXTURE TYPE<br>5E 3                                                                                                                       |  | DATE SAMPLED<br>7/2/2020    |  | DATE TESTED<br>7/6/2020           |  |                          |  |
| CONTRACTOR<br>AJAX PAVING INDUSTRIES   |  |                       |  | PLANT No.<br>20-10                                |  | PLANT LOCATION<br>26400 SHERWOOD RD |  |                                                                                                                                            |  | Form 1911 DATE<br>4/14/2020 |  |                                   |  |                          |  |
| PROJECT ENGINEER<br>Richard T. Doherty |  |                       |  | NAME OF TESTER(Please print)<br>Jesus Soto Sancen |  |                                     |  | NAME OF TESTER (SIGNATURE)<br><b>Jesus Sancen</b><br><small>Digitally signed by Jesus Sancen<br/>Date: 2020.07.06 16:14:13 -04'00'</small> |  |                             |  | QUALIFICATION NUMBER<br>0664-0423 |  |                          |  |
| GB<br>1.029                            |  | Gsb<br>2.696          |  | Gse<br>2.763                                      |  | SUBLOT SIZE<br>1000                 |  | LOT NO<br>2                                                                                                                                |  | SUBLOT NO<br>8              |  | SUBLOT RANDOM<br>TONS 1486        |  | ACCUMULATED TONS<br>0.00 |  |

### TEST RESULTS

|                    | JMF     | CONTR   | DEV.   | Range 1  | Range 2  |  | AGG. |
|--------------------|---------|---------|--------|----------|----------|--|------|
| P 1 1/2" (37.5mm)  | 100.00% | 100.00% | 0.00%  |          |          |  |      |
| P 1" (25.0mm)      | 100.00% | 100.00% | 0.00%  |          |          |  |      |
| P 3/4" (19.0mm)    | 100.00% | 100.00% | 0.00%  |          |          |  |      |
| P 1/2" (12.5mm)    | 100.00% | 100.00% | 0.00%  |          |          |  |      |
| P 3/8" (9.5mm)     | 99.50%  | 99.07%  | -0.43% | +/- 8.00 | +/-10.00 |  |      |
| P No. 4 (4.75mm)   | 83.50%  | 78.44%  | -5.06% | +/- 6.00 | +/- 8.00 |  |      |
| P No. 8 (2.36mm)   | 62.20%  | 60.67%  | -1.53% | +/- 6.00 | +/- 8.00 |  |      |
| P No. 16 (1.18mm)  | 46.40%  | 48.11%  | 1.71%  |          |          |  |      |
| P No. 30 (600 Um)  | 34.80%  | 35.67%  | 0.87%  | +/- 4.00 | +/- 6.00 |  |      |
| P No. 50 (300 Um)  | 18.20%  | 17.73%  | -0.47% |          |          |  |      |
| P No. 100 (150 Um) | 10.20%  | 8.71%   | -1.49% |          |          |  |      |
| P No. 200 (75 Um)  | 6.20%   | 6.00%   | -0.20% | +/- 1.00 | +/- 2.00 |  |      |
| CRUSH - 1 FACE     | 97.70%  | 97.52%  | -0.18% | +/-10.00 | +/-15.00 |  |      |
| CRUSH - 2 FACE     | 0.00%   | 0.00%   | 0.00%  |          |          |  |      |

### TEST RESULTS

|                                                                                  | JMF   | CONTR    | DEV.   | Range 1                               |       | Range 2 |           |       |
|----------------------------------------------------------------------------------|-------|----------|--------|---------------------------------------|-------|---------|-----------|-------|
| ASPHALT %                                                                        | 6.15% | 5.98%    | -0.17% | +/-                                   | 0.50  | +/-     | 0.75      |       |
| Gmm                                                                              | 2.504 |          |        | +/-                                   | 0.013 | +/-     | 0.020     |       |
| Gmb @ N DESIGN                                                                   | 2.416 |          |        |                                       |       |         |           |       |
| AIR VOIDS                                                                        | 3.50% |          |        | +                                     | 2.11  | - 3.89  | +/- 2.10  | 3.90  |
| VMA                                                                              | 15.90 |          |        | +/-                                   | 15.11 | 16.89   | +/- 15.10 | 16.90 |
| VFA                                                                              | 77.99 |          |        |                                       |       |         |           |       |
| F/A RATIO                                                                        | 1.17  |          |        | +/-0.60                               | 1.40  | +/-0.60 | 1.40      |       |
| Gse                                                                              | 2.763 |          |        | +/-                                   |       | +/-     |           |       |
|                                                                                  |       | GRADE    |        | Certified Supplier/Location/CERT#     |       |         |           | % ADD |
| ASPHALT BINDER                                                                   |       | PG 58-28 |        | Ajax Asphalt Terminal DetroitABS.2500 |       |         |           | 4.55% |
| GYRATORY WEIGHTS/COMPACTION TEMPERATURE                                          |       |          |        |                                       |       |         |           |       |
| MARSHALL WEIGHTS/COMPACTION TEMPERATURE                                          |       |          |        |                                       |       |         |           |       |
| NUMBER OF SOLVENT WASHES (When using the vacuum extraction method for Asphalt %) |       |          |        |                                       |       |         |           |       |
| <div></div>                                                                      |       |          |        |                                       |       |         |           |       |

REMARKS

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\*CIRCLE TEST RESULTS THAT ARE OUT OF LIMITS.