Total Wt

PLANT #: P-102

Sample Date:

3/6/23 Concrete Grade: **S2M**, **3500HP** 

18.58

| Dates Test F | Represents: | 3/1/2023      | tnrougn      | 3/13/2023       |                     |                   |
|--------------|-------------|---------------|--------------|-----------------|---------------------|-------------------|
| Agg. Class   | Pit #       | Source        | Weight (SSD) | ft <sup>3</sup> | Specific<br>Gravity | %<br>Contribution |
| 6AA          | 58-003      | Stoneco       | 1570         | 9.35            | 2.69                | 50.6              |
| 26A          | 58-003      | Stoneco       | 330          | 1.97            | 2.69                | 10.6              |
| 2NS          | 81-019      | Pleasant Lake | 1200         | 7.26            | 2.65                | 38.7              |

3100

Contractor:

MDOT No.:



<---- Verify this number is 100%

| ined | Cumulative<br>% Retained | Superior Materials, LLC    |
|------|--------------------------|----------------------------|
| )    | 0.0                      | Suite 500                  |
| )    | 0.0                      | Farmington Hills, MI 48336 |

|       |       |       |       |                         | ,          |                          |
|-------|-------|-------|-------|-------------------------|------------|--------------------------|
| Sieve | 6AA   | 26A   | 2NS   | Cumulative<br>% Passing | % Retained | Cumulative<br>% Retained |
| 2"    | 100.0 | 100.0 | 100.0 | 100.0                   | 0.0        | 0.0                      |
| 1.5"  | 100.0 | 100.0 | 100.0 | 100.0                   | 0.0        | 0.0                      |
| 1"    | 99.0  | 100.0 | 100.0 | 99.5                    | 0.5        | 0.5                      |
| 3/4"  | 80.1  | 100.0 | 100.0 | 89.9                    | 9.6        | 10.1                     |
| 1/2"  | 40.7  | 99.9  | 100.0 | 70.0                    | 20.0       | 30.0                     |
| 3/8"  | 22.5  | 89.8  | 100.0 | 59.7                    | 10.3       | 40.3                     |
| #4    | 8.0   | 7.6   | 96.0  | 42.0                    | 17.6       | 58.0                     |
| #8    | 4.6   | 2.5   | 80.2  | 33.6                    | 8.4        | 66.4                     |
| #16   | 3.4   | 1.8   | 64.6  | 26.9                    | 6.7        | 73.1                     |
| #30   | 3.0   | 1.8   | 47.8  | 20.2                    | 6.7        | 79.8                     |
| #50   | 2.7   | 1.5   | 23.1  | 10.5                    | 9.7        | 89.5                     |
| #100  | 2.6   | 1.5   | 6.3   | 3.9                     | 6.6        | 96.1                     |
| LBW   | 1.8   | 1.2   | 1.8   | 1.7                     | 2.2        | 98.3                     |

\*Maximum % Retained must be above the 3/8" sieve.

\*Any two adjacent sieves must equal 10% except max.,

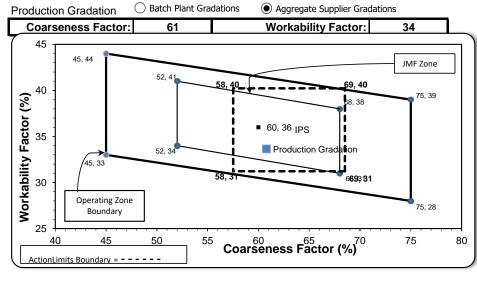
nom. max., #100 and #200 sieves.

 $^{*}\%$  Retained must be at least 4% for each sieve except max.,

nom. max., #100 and #200 sieves.

\*% Retained must be at least 8% for the 1" sieve when

a 2" max. size (nom. Max. 1.5") aggregate is used.



Intial Production Sample (IPS)

| Coars               | eness Factor: | 63       |            |
|---------------------|---------------|----------|------------|
| Workability Factor: |               | 36       |            |
| Sieve               | Cumulative    | %        | Cumulative |
|                     | % Passing     | Retained | % Retained |
| 2"                  | 100.0         | 0.0      | 0.0        |
| 1.5"                | 100.0         | 0.0      | 0.0        |
| 1"                  | 99.2          | 0.8      | 0.8        |
| 3/4"                | 90.9          | 8.3      | 9.1        |
| 1/2"                | 71.3          | 19.6     | 28.7       |
| 3/8"                | 59.5          | 11.8     | 40.5       |
| #4                  | 43.8          | 15.7     | 56.2       |
| #8                  | 35.7          | 8.1      | 64.3       |
| #16                 | 27.0          | 8.7      | 73.0       |
| #30                 | 18.6          | 8.4      | 81.4       |
| #50                 | 6.8           | 11.8     | 93.2       |
| #100                | 1.4           | 5.4      | 98.6       |
| LBW                 | 0.6           | 0.8      | 99.4       |

PREPARED BY: SM, LLC Technical Service Approved By: