Total Wt

**PLANT #:** P-103

Sample Date:

Concrete Grade: S2M, 3500HP 6/9/25

18.58

Dates Test Represents:		6/10/2025	through	6/16/2025		
Agg. Class	Pit #	Source	Weight (SSD)	ft <sup>3</sup>	Specific Gravity	% Contribution
6AA	58-003	Stoneco	1600	9.53	2.69	51.6
26A	58-003	Stoneco	300	1.79	2.69	9.7
2NS	63-114	Highland	1200	7.26	2.65	38.7

3100

Contractor:

MDOT No.:

<---- Verify this number is 100%

SUPERIOR MATERIALS

**Superior Materials, LLC** 30701 W. 10 Mile Rd. Suite 500

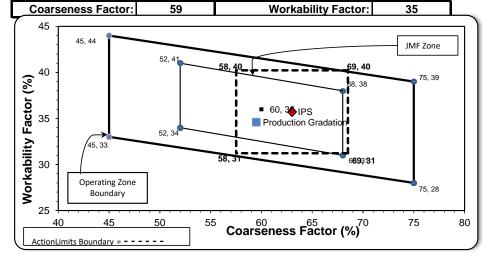
Farmington Hills, MI 48336

*Maximum	%	Retained	must	he	above	the :	3/8"	sieve

<sup>\*</sup>Any two adjacent sieves must equal 10% except max.,

a 1.5" max. size (nom. Max. 1.0") aggregate is used.

Sieve	6AA	26A	2NS	Cumulative % Passing	% Retained	Cumulative % 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"	100.0	100.0	100.0	100.0	0.0	0.0
3/4"	85.2	100.0	100.0	92.4	7.6	7.6
1/2"	46.8	98.8	100.0	72.4	19.9	27.6
3/8"	27.0	87.3	100.0	61.1	11.3	38.9
#4	4.4	16.6	99.0	42.2	18.9	57.8
#8	2.2	3.4	85.6	34.6	7.6	65.4
#16	1.8	2.0	68.2	27.5	7.1	72.5
#30	1.6	1.6	49.4	20.1	7.4	79.9
#50	1.5	1.4	22.8	9.7	10.4	90.3
#100	1.4	1.3	3.5	2.2	7.5	97.8
LBW	1.3	1.2	0.5	1.0	1.2	99.0
Production (	Gradation O Batch Plant Grad	dations	adations		Intial Production	on Sample (IPS



Coar	seness Factor:	63	
Wor	Workability Factor:		
Sieve	Cumulative	%	Cumulative
Sieve	% 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:

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

<sup>\*%</sup> Retained must be at least 4% for each sieve except max.,

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

<sup>\*%</sup> Retained must be at least 4% for the 3/4" sieve when

PLANT #: p11

Concrete Grade: S2M, 3500HP

Sample Date: 6/9/25 Dates Test Represents:

6/10/2025	through	6/16/2025		
Source	Weight (SSD)	ft <sup>3</sup>	Specific Gravity	% Contribution
Presque Isle	1520	9.30	2.62	49.8
resque Isle	300	1.83	2.62	9.8

Contractor:

MDOT No.:

Agg. Class Pit# 6AA 71-47 Pi 26A 71-47 2NS 63-115 Ray Rd 1230 7.44 2.65 40.3 **Total Wt** 3050 18.57

<---- Verify this number is 100%

SUPERIOR	

**Superior Materials, LLC** 30701 W. 10 Mile Rd. Suite 500 Farmington Hills, MI 48336

Sieve	6AA	26A	2NS	Cumulative % Passing	% Retained	Cumulative % 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"	97.4	100.0	100.0	98.7	1.3	1.3
3/4"	77.1	100.0	100.0	88.6	10.1	11.4
1/2"	32.5	96.9	100.0	66.1	22.5	33.9
3/8"	15.3	83.4	100.0	56.2	9.9	43.8
#4	2.4	20.7	95.5	41.7	14.4	58.3
#8	1.8	7.6	78.4	33.3	8.5	66.7
#16	1.7	4.2	61.6	26.1	7.2	73.9
#30	1.6	3.5	46.5	19.9	6.2	80.1
#50	1.6	3.2	26.3	11.7	8.2	88.3
#100	1.5	3.0	6.6	3.7	8.0	96.3
LBW	1.2	2.7	1.1	1.3	2.4	98.7

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

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

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

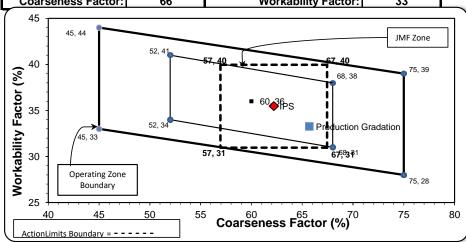
\*% Retained must be at least 4% for each sieve except max.,

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

\*% Retained must be at least 4% for the 3/4" sieve when

a 1.5" max. size (nom. Max. 1.0") aggregate is used.

O Batch Plant Gradations Aggregate Supplier Gradations **Production Gradation Coarseness Factor:** 66 **Workability Factor:** 33



Intial Production Sample (IPS)

Coar	seness Factor:	62	
Workability Factor:		35	
Sieve	Cumulative	%	Cumulative
Sieve	% Passing	Retained	% Retained
2"	100.0	0.0	0.0
1.5"	100.0	0.0	0.0
1"	100.0	0.0	0.0
3/4"	94.0	6.0	6.0
1/2"	70.2	23.7	29.8
3/8"	59.9	10.4	40.1
#4	42.7	17.2	57.3
#8	35.5	7.2	64.5
#16	28.4	7.0	71.6
#30	19.2	9.2	80.8
#50	8.9	10.3	91.1
#100	3.1	5.9	96.9
LBW	1.4	1.7	98.6

PREPARED BY: SM, LLC Technical Service