PLANT #: P-102

11/11/2025

2.0

1.7

1.6

Dates Test Represents:

#30

#50

#100

Contractor:

Sample Date: 11/10/25 Concrete Grade: **P1M**, **3500HP**, **4000HP** 

2.0

1.6

1.5

11/17/2025

				,		
Agg. Class	Pit#	Source	Weight (SSD)	ft <sup>3</sup>	Specific Gravity	% Contribution
CA	58-003	Stoneco	1350	8.04	2.69	43.3
IA	58-003	Stoneco	570	3.40	2.69	18.3
2NS	63-114	Highland	1200	7.26	2.65	38.5
		Total Wt	3120	18.70		100.0

through



Cumulative

17.9

8.6

2.4



---- Verify this number is 100%

82.1

91.4

97.6

99.0

Cumulative % Retained	Superior iviateriais, LLC
0.0	Suite 500
0.0	Farmington Hills, MI 48336

CA IΑ 2NS % Retained Sieve % Passing 2" 100.0 100.0 100.0 100.0 0.0 1.5" 100.0 100.0 100.0 100.0 0.0 0.0 100.0 100.0 84.5 64.2 15.5 15.5 3/4" 100.0 39.2 100.0 73.7 10.8 26.3 1/2' 18.6 92.8 100.0 63.5 10.2 36.5 3/8' 13.4 76.4 100.0 58.2 5.2 41.8 43.9 14.3 #4 5.8 18.1 99.0 56.1 #8 3.5 2.4 84.2 34.3 9.6 65.7 #16 2.2 2.2 65.0 26.4 8.0 73.6

43.3

19.7

3.6

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

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

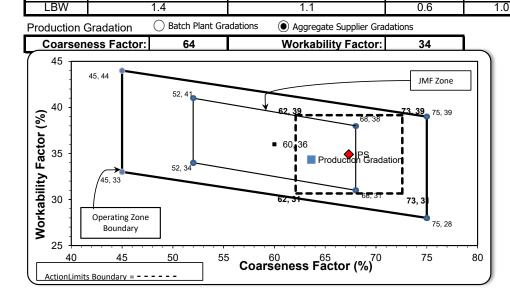
nom. max., #100 and #200 sieves.

\*% 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)

8.5

9.3

6.3

Coars	Coarseness Factor:		
Work	ability 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"	85.5	14.5	14.5
3/4"	73.4	12.1	26.6
1/2"	61.0	12.4	39.0
3/8"	56.2	4.8	43.8
#4	43.1	13.1	56.9
#8	34.9	8.2	65.1
#16	29.4	5.5	70.6
#30	21.6	7.8	78.4
#50	8.1	13.4	91.9
#100	2.2	5.9	97.8
LBW	1.4	0.8	98.6

PREPARED BY: SM, LLC Technical Service Approved By

11/11/2025

**PLANT #:** P-103

Dates Test Represents:

Contractor:

Concrete Grade: P1M, 3500HP, 4000HP Sample Date: 11/10/25

11/17/2025

Agg. Class	Pit#	Source	Weight (SSD)	ft <sup>3</sup>	Specific Gravity	% Contribution
CA	58-003	Stoneco	1350	8.04	2.69	43.3
IA	58-003	Stoneco	570	3.40	2.69	18.3
2NS	63-114	Highland	1200	7.26	2.65	38.5
	•		0.400	40 =0		400.0

through





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

	i otai wt	3120	10.70		100.0	< Verify this number is 100%	
Sieve	CA	L	A	2NS	Cumulative % Passing	% Retained	Cumulative % Retained
2"	100.0	10	0.0	100.0	100.0	0.0	0.0
1.5"	100.0	10	0.0	100.0	100.0	0.0	0.0
1"	64.2	10	0.0	100.0	84.5	15.5	15.5
3/4"	39.2	10	0.0	100.0	73.7	10.8	26.3
1/2"	18.6	92	2.8	100.0	63.5	10.2	36.5
3/8"	13.4	76	6.4	100.0	58.2	5.2	41.8
#4	5.8	18	3.1	99.0	43.9	14.3	56.1
#8	3.5	2	.4	84.2	34.3	9.6	65.7
#16	2.2	2	.2	65.0	26.4	8.0	73.6
#30	2.0	2	.0	43.3	17.9	8.5	82.1
#50	1.7	1	.6	19.7	8.6	9.3	91.4
#100	1.6	1	.5	3.6	2.4	6.3	97.6
LBW	1.4	1	.1	0.6	1.0	1.3	99.0

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

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

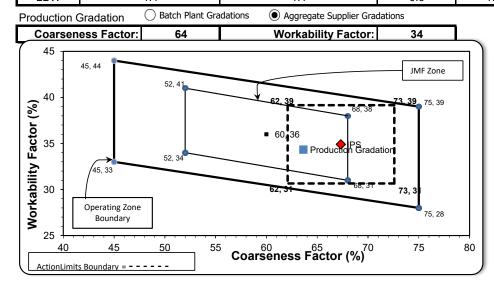
nom. max., #100 and #200 sieves.

\*% 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	Coarseness Factor:		
Work	ability 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"	85.5	14.5	14.5
3/4"	73.4	12.1	26.6
1/2"	61.0	12.4	39.0
3/8"	56.2	4.8	43.8
#4	43.1	13.1	56.9
#8	34.9	8.2	65.1
#16	29.4	5.5	70.6
#30	21.6	7.8	78.4
#50	8.1	13.4	91.9
#100	2.2	5.9	97.8
LBW	1.4	0.8	98.6

PREPARED BY: SM, LLC Technical Service Approved BY:

11/11/2025

Dates Test Represents:

**PLANT #:** 12 Contractor:

11/17/2025

Concrete Grade: P1M, 3500HP, 4000HP Sample Date: 11/10/25 MDOT No.:

Agg. Class	Pit#	Source	Weight (SSD)	ft <sup>3</sup>	Specific Gravity	% Contribution
CA	71-47	Presque Isle	900	5.50	2.62	29.3
IA	71-47	Presque Isle	970	5.93	2.62	31.6
2NS	63-115	Ray Rd	1200	7.26	2.65	39.1
		Total Wt	3070	18.70		100.0

through



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

Verify this number is 100%

Sieve	CA	IA	2NS	Cumulative % Passing	% Retained	Cumulative % Retained	
2"	100.0	100.0	100.0	100.0	0.0	0.0	l
1.5"	97.0	100.0	100.0	99.1	0.9	0.9	l
1"	40.7	100.0	100.0	82.6	16.5	17.4	Ì
3/4"	7.8	100.0	100.0	73.0	9.6	27.0	l
1/2"	1.8	82.3	100.0	65.6	7.4	34.4	Ì
3/8"	1.4	56.6	100.0	57.4	8.2	42.6	l
#4	1.3	10.2	97.5	41.7	15.7	58.3	l
#8	1.2	3.5	83.1	33.9	7.8	66.1	n
#16	1.2	2.5	62.7	25.6	8.3	74.4	l
#30	1.1	2.3	43.6	18.1	7.6	81.9	n
#50	1.0	2.1	20.0	8.8	9.3	91.2	l
#100	1.0	2.1	4.2	2.6	6.2	97.4	а

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

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

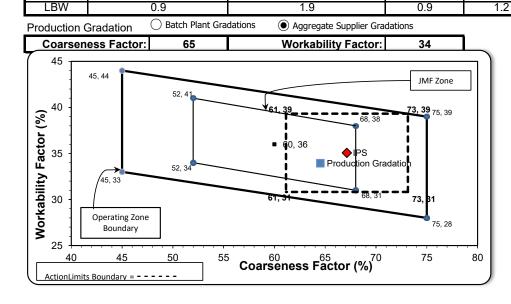
nom. max., #100 and #200 sieves.

\*% 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	Coarseness Factor:		
Work	ability Factor:	35	
Sieve	Cumulative	%	Cumulative
Sieve	% Passing	Retained	% Retained
2"	100.0	0.0	0.0
1.5"	99.6	0.4	0.4
1"	83.9	15.7	16.1
3/4"	74.0	9.8	26.0
1/2"	63.7	10.3	36.3
3/8"	56.4	7.3	43.6
#4	43.0	13.4	57.0
#8	35.1	7.9	64.9
#16	29.0	6.1	71.0
#30	20.9	8.0	79.1
#50	8.1	12.8	91.9
#100	1.6	6.5	98.4
LBW	0.9	0.8	99.1

PREPARED BY: SM, LLC Technical Service Approved By:

CA

100.0

97.0

40.7

7.8

1.8

1.4

1.3

1.2

1.2

1.1

1.0

1.0

Sieve

2"

1.5"

3/4"

1/2'

3/8'

#4

#8

#16

#30

#50

#100

PLANT #: P11 Contractor:

Concrete Grade: P1M, 3500HP, 4000HP 11/10/25 Sample Date: Dates Test Represents: 11/11/2025 11/17/2025

IΑ

100.0

100.0

100.0

100.0

82.3

56.6

10.2

3.5

2.5

2.3

2.1

2.1

Agg. Class	Pit#	Source	Weight (SSD)	ft <sup>3</sup>	Specific Gravity	% Contribution
CA	71-47	Presque Isle	900	5.50	2.62	29.3
IA	71-47	Presque Isle	970	5.93	2.62	31.6
2NS	63-115	Ray Rd	1200	7.26	2.65	39.1
		Total Wt	3070	18.70		100.0

through

MDOT No.:

% Retained

0.0

0.9

16.5

9.6

7.4

8.2

15.7

7.8

8.3

7.6

9.3

6.2

1.4

Cumulative

% Passing

100.0

99.1

82.6

73.0

65.6

57.4

41.7

33.9

25.6

18.1

8.8

2.6

2NS

100.0

100.0

100.0

100.0

100.0

100.0

97.5

83.1

62.7

43.6

20.0

4.2

---- Verify this number is 100%

Cumulative

% Retained

0.0

0.9

17.4

27.0

34.4

42.6

58.3

66.1

74.4

81.9

91.2

97.4

98.8

SUPERIOR MATERIALS

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

Farmington Hills, MI 48336

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

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

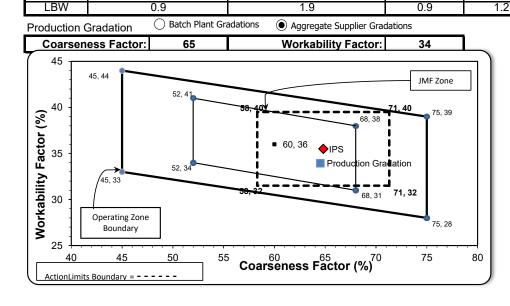
nom. max., #100 and #200 sieves.

\*% 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)

Coarseness Factor:		65	
Workability Factor:		36	
Sieve	Cumulative	%	Cumulative
Sieve	% Passing	Retained	% Retained
2"	100.0	0.0	0.0
1.5"	99.0	0.6	0.6
1"	84.0	15.3	16.0
3/4"	73.5	10.5	26.5
1/2"	65.2	8.2	34.8
3/8"	58.2	7.1	41.8
#4	44.1	14.1	55.9
#8	35.5	8.6	64.5
#16	29.1	6.4	70.9
#30	21.9	7.3	78.1
#50	9.6	12.2	90.4
#100	2.6	7.1	97.4
LBW	1.0	1.6	99.0

PREPARED BY: SM, LLC Technical Service

**PLANT #:** P-02 Contractor:

Concrete Grade: P1M, 3500HP, 4000HP Sample Date: 11/10/25

Dates Test F	Represents:	11/11/2025	through	11/17/2025		
Agg. Class	Pit#	Source	Weight (SSD)	ft <sup>3</sup>	Specific Gravity	% Contribution
CA	71-47	Presque Isle	900	5.50	2.62	29.3
IA	71-47	Presque Isle	970	5.93	2.62	31.6
2NS	63-115	Ray Rd	1200	7.26	2.65	39.1



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

	Total Wt	3070	18.70		100.0	< Verify this n	umber is 100%
Sieve	CA	L	A	2NS	Cumulative % Passing	% Retained	Cumulative % Retained
2"	100.0	10	0.0	100.0	100.0	0.0	0.0
1.5"	97.0	10	0.0	100.0	99.1	0.9	0.9
1"	40.7	10	0.0	100.0	82.6	16.5	17.4
3/4"	7.8	10	0.0	100.0	73.0	9.6	27.0
1/2"	1.8	82	2.3	100.0	65.6	7.4	34.4
3/8"	1.4	56	3.6	100.0	57.4	8.2	42.6
#4	1.3	10	).2	97.5	41.7	15.7	58.3
#8	1.2	3	.5	83.1	33.9	7.8	66.1
#16	1.2	2	.5	62.7	25.6	8.3	74.4
#30	1.1	2	.3	43.6	18.1	7.6	81.9
#50	1.0	2	.1	20.0	8.8	9.3	91.2
#100	1.0	2	.1	4.2	2.6	6.2	97.4
LBW	0.9	1	.9	0.9	1.2	1.4	98.8

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

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

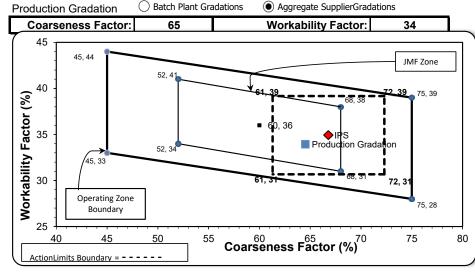
nom. max., #100 and #200 sieves.

\*% 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)

Coarseness Factor:		67	
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"	85.0	15.0	15.0
3/4"	72.3	12.7	27.7
1/2"	64.5	7.8	35.5
3/8"	56.5	8.0	43.5
#4	42.7	13.8	57.3
#8	34.9	7.8	65.1
#16	29.0	5.9	71.0
#30	21.0	8.0	79.0
#50	8.2	12.8	91.8
#100	1.6	6.5	98.4
LBW	0.7	0.9	99.3

Approved By:

PREPARED BY: SM, LLC Technical Service