PLANT #: P-101

Sample Date:

11/6/23 Concrete Grade: **S2M**, **3500HP** 

Dates Test I	Represents:	11/7/2023	through	11/13/2023		
Agg. Class	Pit#	Source	Weight (SSD)	ft <sup>3</sup>	Specific	%
Agg. Olass	110#	Oodicc	Weight (33b)	11	Gravity	Contribution
6AA	71-47	Presque Isle	1600	9.79	2.62	52.4
26A	71-47	Presque Isle	225	1.38	2.62	7.4
2NS	75-051	Mid Michigan	1230	7.41	2.66	40.3
		Total Wt	3055	18.57		100.0

Contractor:

MDOT No.:



---- Verify this number is 100%

ed	Cumulative % Retained	Superior Materials, LLC
	0.0	Suite 500
	0.0	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"	99.3	100.0	100.0	99.6	0.4	0.4
3/4"	85.9	100.0	100.0	92.6	7.0	7.4
1/2"	43.7	97.0	100.0	70.3	22.3	29.7
3/8"	25.5	88.7	100.0	60.1	10.1	39.9
#4	4.3	22.6	96.3	42.7	17.5	57.3
#8	2.5	4.9	82.1	34.7	8.0	65.3
#16	2.3	2.2	67.2	28.4	6.3	71.6
#30	2.2	1.8	51.4	22.0	6.4	78.0
#50	2.1	1.6	27.5	12.3	9.7	87.7
#100	2.0	1.5	7.3	4.1	8.2	95.9
LBW	1.7	1.4	0.8	1.3	2.8	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.

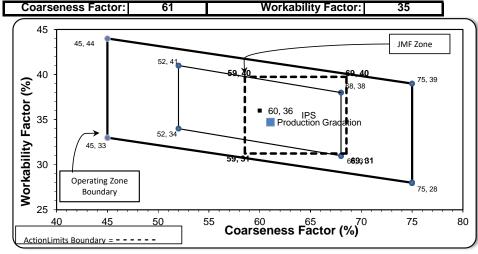
\*% Retained must be at least 4% for each sieve except max.,

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.

Production Gradation Batch Plant Gradations • Aggregate Supplier Gradations



Initial Production Sample (IPS)

Coars	Coarseness Factor:		
Work	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"	100.0	0.0	0.0
3/4"	93.9	6.1	6.1
1/2"	71.4	22.5	28.6
3/8"	59.0	12.4	41.0
#4	45.1	13.9	54.9
#8	35.5	9.6	64.5
#16	28.3	7.2	71.7
#30	21.3	6.9	78.7
#50	11.0	10.3	89.0
#100	3.4	7.6	96.6
LBW	1.1	2.3	98.9

PREPARED BY: SM, LLC Technical Service

**Total Wt** 

6AA

100.0

100.0

99.9

83.5

39.0

15.9

3.1

2.0

1.7

1.6

1.4

PLANT #: P-102

Sample Date:

Sieve

2"

1.5"

3/4"

1/2'

3/8'

#4

#8

#16

#30

#50

11/6/23 Concrete Grade: S2M, 3500HP

18.58

Dates Test F	represents:	11/1/2023	through	11/13/2023		
Agg. Class	Pit#	Source	Weight (SSD)	ft <sup>3</sup>	Specific	%
Ayy. Class	FIL#	Source	Weight (SSD)	11.	Gravity	Contribution
6AA	58-003	Stoneco	1500	8.94	2.69	48.4
26A	58-003	Stoneco	400	2.38	2.69	12.9
2NS	81-019	Pleasant Lake	1200	7.26	2.65	38.7

26A

100.0

100.0

100.0

100.0

99.9

89.5

12.4

3.3

2.9

2.7

2.6

3100

Contractor:

MDOT No.:

0.0

0.0

7.9

21.5

12.5

17.0

7.5

6.6

7.5

9.4

7.4

1.6

100.0

Cumulative

% Passing

100.0

100.0

100.0

92.0

70.5

58.0

41.0

33.5

26.9

19.4

10.0

2NS

100.0

100.0

100.0

100.0

100.0

100.0

97.9

83.0

66.4

47.2

23.2



----- Verify this number is 100%

% Retained Cumulative % Retained		<u>Superior Materials, LLC</u> 30701 W. 10 Mile Rd.
0.0	0.0	Suite 500
0.0	0.0	Farmington Hills, MI 48336

0.0 0.0 8.0 29.5 42.0 59.0 66.5 73.1

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

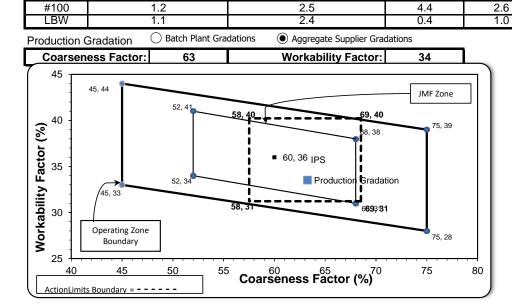
\*Any two adjacent sieves must equal 10% except max.,

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.



Intial Production Sample (IPS)

80.6

90.0

97.4

99.0

Coars	Coarseness Factor:		
Work	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 PLANT #: 12

Sample Date:

Sieve

2"

1.5"

3/4"

1/2'

3/8'

#4

#8

#16

#30

#50

#100

LBW

Dates Test Represents:

11/6/23 11/7/2023

6AA

100.0

100.0

96.5

75.9

34.7

16.9

2.9

1.6

1.4

1.4

1.3

1.3

Contractor:

Concrete Grade: S2M, 3500HP

2NS

100.0

100.0

100.0

100.0

100.0

100.0

96.0

80.9

65.9

49.5

25.5

5.4

Cumulative

% Passing

100.0

100.0

98.2

87.8

66.3

56.5

42.7

34.0

27.6

20.9

11.2

3.0

Batoo Toot I	toproconto.	, . , = 0 = 0	unougn	11/10/2020		
Agg. Class	Pit #	Source	Weight (SSD)	ft <sup>3</sup>	Specific Gravity	% Contribution
6AA	71-47	Presque Isle	1550	9.48	2.62	50.8
26A	71-47	Presque Isle	270	1.65	2.62	8.9
2NS	63-115	Ray Rd	1230	7.44	2.65	40.3
		Total Wt	3050	18.57		100.0

26A

100.0

100.0

100.0

100.0

94.3

86.0

27.9

6.5

3.2

2.6

2.4

2.3

2.0

through

11/13/2023

MDOT No.:

----- Verify this number is 100%

% Retained

0.0

0.0

1.8

10.5

21.4

9.8

13.9

8.6

6.4

6.7

9.7

8.1

2.1

Cumulative

% Retained

0.0

79.1

88.8

97.0

99.1

SUPERIO M A T E R I A L	R

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

0.0	
1.8	
12.2	
33.7	
43.5	*Maxin
57.3	*Any tv
66.0	nom. ma
72.4	*% Re

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

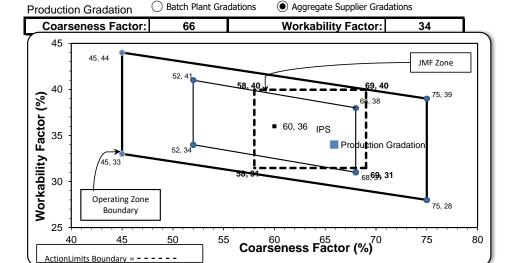
Any two adjacent sieves must equal 10% except max.,

om. 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.



Intial Production Sample (IPS)

Coars	Coarseness Factor:		
Work	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	8.0
3/4"	90.9	8.3	9.1
1/2"	71.3	19.6	28.7
3/8"	59.2	12.1	40.8
#4	41.5	17.7	58.5
#8	35.7	5.8	64.3
#16	27.9	7.9	72.1
#30	18.3	9.5	81.7
#50	7.3	11.0	92.7
#100	2.0	5.3	98.0
LBW	0.9	1.1	99.1

PREPARED BY: SM, LLC Technical Service

**PLANT #:** p11

Sample Date:

11/6/23 Concrete Grade: S2M, 3500HP

Dates Lest F	Represents:	11/7/2023	through	11/13/2023		
Agg. Class	Pit #	Source	Weight (SSD)	ft <sup>3</sup>	Specific Gravity	% Contribution
6AA	71-47	Presque Isle	1500	9.17	2.62	49.2
26A	71-47	Presque Isle	320	1.96	2.62	10.5
2NS	95-013	Smelter Bay	1230	7.44	2.65	40.3

Contractor:

MDOT No.:



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

	i otai wt	3050	18.5 <i>1</i>		100.0	< Verify this n	umber is 100%
Sieve	6AA	26	6A	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"	97.8	10	0.0	100.0	98.9	1.1	1.1
3/4"	79.6	10	0.0	100.0	90.0	9.0	10.0
1/2"	43.3	94	.3	100.0	71.5	18.5	28.5
3/8"	25.5	86	6.0	100.0	61.9	9.6	38.1
#4	5.2	27	<b>'</b> .9	97.2	44.7	17.2	55.3
#8	2.7	6	.5	85.4	36.4	8.2	63.6
#16	2.2	3	.2	69.9	29.6	6.8	70.4
#30	2.1	2	.6	50.3	21.6	8.0	78.4
#50	2.0	2	.4	24.6	11.2	10.4	88.8
#100	1.9	2	.3	7.2	4.1	7.1	95.9
LBW	1.4	2	.0	0.9	1.3	2.8	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.

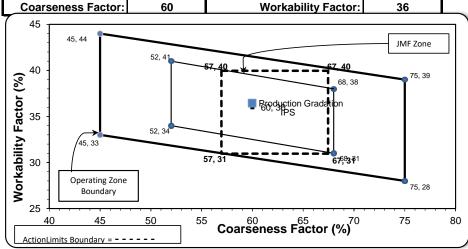
\*% Retained must be at least 4% for each sieve except max.,

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.

 Batch Plant Gradations Aggregate Supplier Gradations **Production Gradation Coarseness Factor:** 60 **Workability Factor:** 



Intial Production Sample (IPS)

Coarseness 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

**PLANT #:** P-32

Sample Date:

11/6/23 Concrete Grade: S2M, 3500HP

Dates Test F	represents:	11/7/2023	tnrougn	11/13/2023		
Agg. Class	Pit#	Source	Weight (SSD)	ft <sup>3</sup>	Specific	%
Ayy. Class	FIL#	Source	weight (SSD)	11.	Gravity	Contribution
6AA	71-47	Presque Isle	1500	9.17	2.62	49.2
26A	71-47	Presque Isle	320	1.96	2.62	10.5
2NS	95-013	Smelter Bay	1230	7.44	2.65	40.3

Contractor:

MDOT No.:



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

	Total Wt	3050	18.57		100.0	< Verify this n	umber is 100%
Sieve	6AA	26	A	2NS	Cumulative % Passing	% Retained	Cumulative % Retained
2"	100.0	100	0.0	100.0	100.0	0.0	0.0
1.5"	100.0	100	0.0	100.0	100.0	0.0	0.0
1"	97.8	100	0.0	100.0	98.9	1.1	1.1
3/4"	79.6	100	0.0	100.0	90.0	9.0	10.0
1/2"	43.3	94	.3	100.0	71.5	18.5	28.5
3/8"	25.5	86	.0	100.0	61.9	9.6	38.1
#4	5.2	27	.9	97.2	44.7	17.2	55.3
#8	2.7	6.	5	85.4	36.4	8.2	63.6
#16	2.2	3.	2	69.9	29.6	6.8	70.4
#30	2.1	2.	6	50.3	21.6	8.0	78.4
#50	2.0	2.	4	24.6	11.2	10.4	88.8
#100	1.9	2.	3	7.2	4.1	7.1	95.9
LBW	1.4	2.	0	0.9	1.3	2.8	98.7

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

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

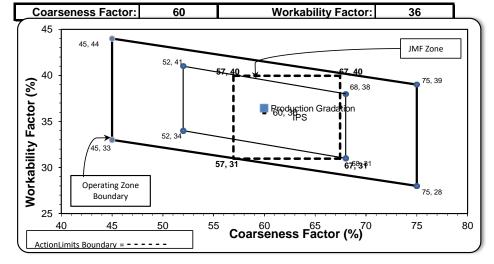
nom. max., #100 and #200 sieves.

\*% 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.

 Batch Plant Gradations Aggregate Supplier Gradations **Production Gradation** 



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"	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

**Total Wt** 

PLANT #: P-35

Sample Date:

11/6/23 Concrete Grade: **S2M**, **3500HP** 

18.58

Dates Test F	Represents:	11/7/2023	through	11/13/2023		
Agg. Class	Pit #	Source	Weight (SSD)	ft <sup>3</sup>	Specific Gravity	% Contribution
6AA	58-003	Stoneco	1500	8.94	2.69	48.4
26A	58-003	Stoneco	400	2.38	2.69	12.9
2NS	81-019	Pleasant Lake	1200	7.26	2.65	38.7

3100

Contractor:

MDOT No.:

100.0



----- Verify this number is 100%

ined	Cumulative % Retained	<u>Superior Materials, LLC</u> 30701 W. 10 Mile Rd.
)	0.0	Suite 500
)	0.0	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"	99.9	100.0	100.0	100.0	0.0	0.0
3/4"	83.5	100.0	100.0	92.0	7.9	8.0
1/2"	39.0	99.9	100.0	70.5	21.5	29.5
3/8"	15.9	89.5	100.0	58.0	12.5	42.0
#4	3.1	12.4	97.9	41.0	17.0	59.0
#8	2.0	3.3	83.0	33.5	7.5	66.5
#16	1.7	2.9	66.4	26.9	6.6	73.1
#30	1.6	2.7	47.2	19.4	7.5	80.6
#50	1.4	2.6	23.2	10.0	9.4	90.0
#100	1.2	2.5	4.4	2.6	7.4	97.4
LBW	1.1	2.4	0.4	1.0	1.6	99.0

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

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

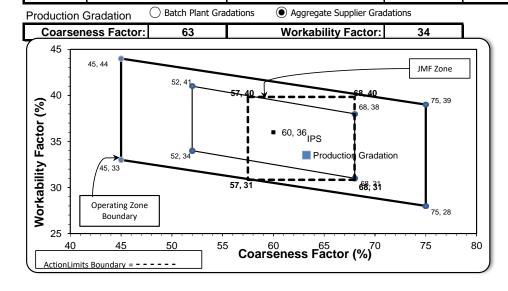
nom. max., #100 and #200 sieves.

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

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

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

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



Intial Production Sample (IPS)

Coarseness Factor:		63	
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"	99.2	0.8	8.0
3/4"	90.9	8.3	9.1
1/2"	71.3	19.6	28.7
3/8"	59.4	11.9	40.6
#4	43.0	16.5	57.0
#8	35.3	7.6	64.7
#16	28.2	7.1	71.8
#30	21.6	6.6	78.4
#50	9.1	12.5	90.9
#100	1.7	7.4	98.3
LBW	1.1	0.6	98.9

PREPARED BY: SM, LLC Technical Service Approved By:

afriff Ball

**PLANT #:** P-36

Sample Date:

11/6/23 Concrete Grade: S2M, 3500HP

ates Lest F	Represents:	11/7/2023	through	11/13/2023		
.gg. Class	Pit#	Source	Weight (SSD)	ft <sup>3</sup>	Specific Gravity	% Contribution
6AA	71-47	Presque Isle	1500	9.17	2.62	49.2
26A	71-47	Presque Isle	350	2.14	2.62	11.5
2NS	63-92	Grange Hall	1200	7.26	2.65	39.3

Contractor:

MDOT No.:



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

	Total Wt	3050 18.57		100.0	< Verify this n	umber is 100%
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"	96.5	100.0	100.0	98.3	1.7	1.7
3/4"	75.9	100.0	100.0	88.1	10.1	11.9
1/2"	34.7	94.3	100.0	67.2	20.9	32.8
3/8"	16.9	86.0	100.0	57.5	9.7	42.5
#4	2.9	27.9	97.2	42.9	14.7	57.1
#8	1.6	6.5	82.6	34.0	8.8	66.0 r
#16	1.4	3.2	67.9	27.8	6.3	72.2
#30	1.4	2.6	49.3	20.4	7.4	79.6 r
#50	1.3	2.4	20.4	8.9	11.4	91.1
#100	1.3	2.3	3.4	2.2	6.7	97.8 a
LBW	1.0	2.0	0.8	1.0	1.2	99.0

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

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

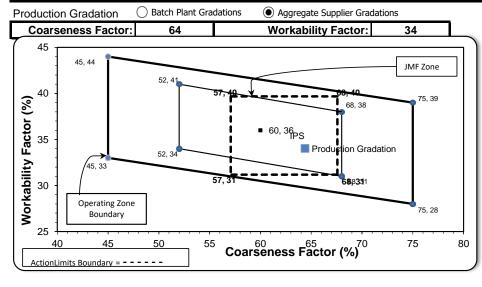
nom. max., #100 and #200 sieves.

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

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

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

a 1.5" max. size (nom. Max. 1.0") 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"	99.1	0.9	0.9
3/4"	90.5	8.6	9.5
1/2"	69.8	20.7	30.2
3/8"	59.8	10.0	40.2
#4	42.2	17.6	57.8
#8	35.4	6.7	64.6
#16	28.8	6.7	71.2
#30	21.4	7.4	78.6
#50	8.8	12.6	91.2
#100	1.8	7.0	98.2
LBW	0.7	1.0	99.3

PREPARED BY: SM, LLC Technical Service

11/7/2023

6AA

100.0

100.0

99.3

85.9

43.7

25.5

4.3

2.5

2.3

2.2

2.1

2.0

PLANT #: P-39

Sample Date:

Sieve

2"

1.5"

3/4"

1/2'

3/8'

#4

#8

#16

#30

#50

#100

LBW

Dates Test Represents:

\_\_\_\_11/6/23 Concrete Grade: **S2M**, **3500HP** 

through 11/13/2023

2NS

100.0

100.0

100.0

100.0

100.0

100.0

98.9

84.6

68.9

49.7

23.8

6.5

<u> </u>	toproconto.	, . , = 0 = 0	unougn	11/10/2020		
Agg. Class	Pit#	Source	Weight (SSD)	ft <sup>3</sup>	Specific Gravity	% Contribution
6AA	71-47	Presque Isle	1525	9.33	2.62	50.0
26A	71-47	Presque Isle	275	1.68	2.62	9.0
2NS	44-051	Krake Willis Rd	1250	7.56	2.65	41.0
		Total Wt	3050	18.57	_	100.0

26A

100.0

100.0

100.0

100.0

97.0

88.7

22.6

4.9

2.2

1.8

1.6

1.5

MDOT No.:

Cumulative

% Retained

0.0

78.4

89.1

96.2

----- Verify this number is 100%

Contractor:

% Retained

0.0

0.0

0.3

6.7

21.4

9.8

17.0

8.4

6.8

8.0

10.7

7.1

Cumulative

% Passing

100.0

100.0

99.7

93.0

71.6

61.7

44.7

36.4

29.6

21.6

10.9

3.8

1.6

SUPERIOR MATERIALS

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

0.0	
0.3	
7.1	
28.4	
38.3	*Maxin
55.3	*Any tv
63.6	nom. ma
70.4	*% Ref

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

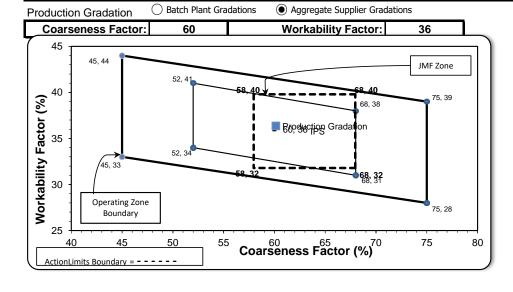
Any two adjacent sieves must equal 10% except max.,

om. 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.



Intial Production Sample (IPS)

Coars	Coarseness Factor:		
Work	ability Factor:	36	
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"	89.8	10.2	10.2
1/2"	70.7	19.1	29.3
3/8"	59.6	11.1	40.4
#4	43.2	16.4	56.8
#8	35.8	7.4	64.2
#16	29.2	6.6	70.8
#30	21.4	7.8	78.6
#50	9.8	11.6	90.2
#100	3.7	6.1	96.3
LBW	1.2	2.5	98.8

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Ray Rd

**PLANT #:** P-02

63-115

Sample Date:

6AA 26A 2NS

Concrete Grade: S2M, 3500HP 11/6/23

7.44

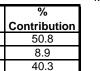
2.65

Dates Test F	Represents:	11/7/2023	through	11/13/2023		
Agg. Class	Pit#	Source	Weight (SSD)	ft <sup>3</sup>	Specific Gravity	% Contribution
6AA	71-47	Presque Isle	1550	9.48	2.62	50.8
26A	71-47	Presque Isle	270	1.65	2.62	8.9

1230

Contractor:

MDOT No.:



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

Total Wt		3050	18.57		100.0	< Verify this number is 100%		
Sieve	6AA	26	6 <b>A</b>	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"	96.5	10	0.0	100.0	98.2	1.8	1.8	
3/4"	75.9	10	0.0	100.0	87.8	10.5	12.2	
1/2"	34.7	94	1.3	100.0	66.3	21.4	33.7	
3/8"	16.9	86	6.0	100.0	56.5	9.8	43.5	
#4	2.9	27	7.9	96.0	42.7	13.9	57.3	
#8	1.6	6	.5	80.9	34.0	8.6	66.0	
#16	1.4	3	.2	65.9	27.6	6.4	72.4	
#30	1.4	2	.6	49.5	20.9	6.7	79.1	
#50	1.3	2	.4	25.5	11.2	9.7	88.8	
#100	1.3	2	.3	5.4	3.0	8.1	97.0	
LBW	1.0	2	.0	0.6	0.9	2.1	99.1	

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

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

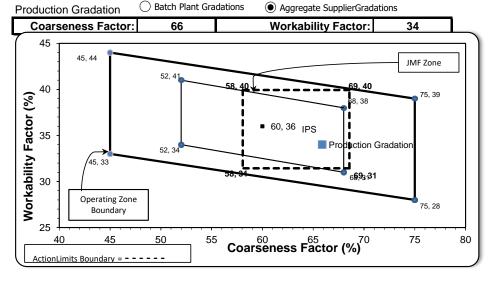
nom. max., #100 and #200 sieves.

\*% 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.



Intial Production Sample (IPS)

Coars	Coarseness Factor:		
Work	ability Factor:	36	
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"	95.6	4.4	4.4
1/2"	73.1	22.6	26.9
3/8"	59.3	13.8	40.7
#4	42.8	16.5	57.2
#8	35.7	7.1	64.3
#16	28.9	6.8	71.1
#30	20.7	8.2	79.3
#50	9.9	10.8	90.1
#100	2.1	7.8	97.9
LBW	0.9	1.2	99.1

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