Sample Date:

9/5/22 Concrete Grade: S2M, 3500HP

Dates Test F	Represents:	9/6/2022	through	9/12/2022		
Agg. Class	Pit#	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution
6AA	71-47	Presque Isle	1625	9.94	2.62	53.2

Contractor:

MDOT No.:

Agg. Class	Pit#	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution
6AA	71-47	Presque Isle	1625	9.94	2.62	53.2
26A	71-47	Presque Isle	200	1.22	2.62	6.5
2NS	75-051	Mid Michigan	1230	7.41	2.66	40.3
		Total Wt	3055	18.57		100.0

Verify this number is 100%

SUPERIOR MATERIALS

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

Farmington Hills, MI 48336

	i Otai Wt	3033 10.37		100.0	< verily tris fi	uniber 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"	98.3	100.0	100.0	99.1	0.9	0.9
3/4"	83.3	100.0	100.0	91.1	8.0	8.9
1/2"	39.2	98.4	100.0	67.6	23.6	32.4
3/8"	21.8	88.5	100.0	57.7	9.9	42.3
#4	3.3	22.7	98.9	43.1	14.6	56.9
#8	1.8	5.2	84.8	35.4	7.6	64.6
#16	1.7	2.9	69.5	29.1	6.4	70.9
#30	1.6	2.5	53.6	22.6	6.5	77.4
#50	1.5	2.3	27.2	11.9	10.7	88.1
#100	1.4	2.1	8.0	4.1	7.8	95.9
LBW	1.3	1.9	1.3	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.

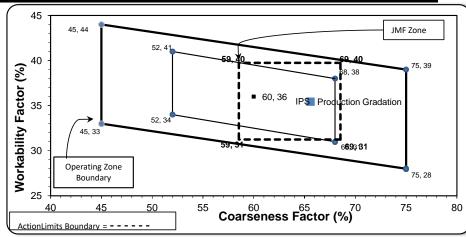
*% Retained must be at least 4% for each sieve except max.,

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

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

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





Initial Production Sample (IPS)

Coars	Coarseness Factor:		
Work	ability Factor:	35	
Siovo	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

Sample Date:

9/5/22 Concrete Grade: S2M, 3500HP

Dates Test F	represents:	9/0/2022	through	9/12/2022		
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	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	81-019	Pleasant Lake	1200	7.26	2.65	38.7

Contractor:

MDOT No.:



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

	l otal Wt	3100	18.58		100.0	< Verify this n	umber is 100%
Sieve	6AA	26	i 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"	100.0	100	0.0	100.0	100.0	0.0	0.0
3/4"	87.8	100	0.0	100.0	93.7	6.3	6.3
1/2"	45.1	99).2	100.0	71.6	22.1	28.4
3/8"	21.6	74	.2	100.0	57.0	14.5	43.0
#4	3.8	14	.4	99.1	41.7	15.3	58.3
#8	1.6	5.	.7	83.1	33.5	8.2	66.5
#16	1.7	3.	.8	65.4	26.6	7.0	73.4
#30	1.5	3.	.1	45.8	18.8	7.8	81.2
#50	1.3	2.	.8	22.8	9.8	9.0	90.2
#100	1.3	2.	7	7.0	3.6	6.1	96.4
LBW	0.8	2.	.2	1.4	1.2	2.5	98.8

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

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

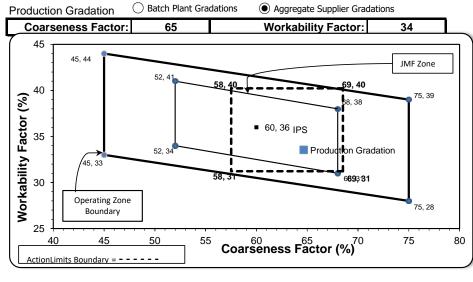
nom. max., #100 and #200 sieves.

*% 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)

Coars	eness Factor:	63	
Workability Factor:		36	
Siovo	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

Total Wt

1.5

1.3

1.3

PLANT #: P-103

Sample Date:

#30

#50

#100

9/5/22 Concrete Grade: **S2M**, **3500HP**

18.58

Dates Test Represents:		9/6/2022	through	9/12/2022		
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	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	81-019	Pleasant Lake	1200	7.26	2.65	38.7

3.1

2.8

2.7

3100

Contractor:

MDOT No.:



----- Verify this number is 100%

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

6AA	26A	2NS	Cumulative % Passing	% Retained	Cumulative % Retained
100.0	100.0	100.0	100.0	0.0	0.0
100.0	100.0	100.0	100.0	0.0	0.0
100.0	100.0	100.0	100.0	0.0	0.0
87.8	100.0	100.0	93.7	6.3	6.3
45.1	99.2	100.0	71.6	22.1	28.4
21.6	74.2	100.0	57.0	14.5	43.0
3.8	14.4	99.1	41.7	15.3	58.3
1.6	5.7	83.1	33.5	8.2	66.5
1.7	3.8	65.4	26.6	7.0	73.4
	100.0 100.0 100.0 87.8 45.1 21.6 3.8 1.6	100.0 100.0 100.0 100.0 100.0 100.0 87.8 100.0 45.1 99.2 21.6 74.2 3.8 14.4 1.6 5.7	100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 87.8 100.0 100.0 45.1 99.2 100.0 21.6 74.2 100.0 3.8 14.4 99.1 1.6 5.7 83.1	6AA 26A 2NS % Passing 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 87.8 100.0 100.0 93.7 45.1 99.2 100.0 71.6 21.6 74.2 100.0 57.0 3.8 14.4 99.1 41.7 1.6 5.7 83.1 33.5	6AA 26A 2NS % Passing % Retained 100.0 100.0 100.0 100.0 0.0 100.0 100.0 100.0 100.0 0.0 100.0 100.0 100.0 100.0 0.0 87.8 100.0 100.0 93.7 6.3 45.1 99.2 100.0 71.6 22.1 21.6 74.2 100.0 57.0 14.5 3.8 14.4 99.1 41.7 15.3 1.6 5.7 83.1 33.5 8.2

45.8

22.8

7.0

18.8

9.8

3.6

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

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

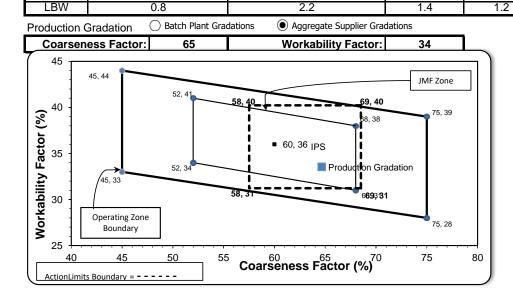
nom. max., #100 and #200 sieves.

*% 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)

81.2

90.2

96.4

98.8

7.8

9.0

6.1

2.5

Coars	Coarseness Factor:		
Workability 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"	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

Schlegel

PLANT #: P-14

19-55

Sample Date:

2NS

9/5/22 Concrete Grade: S2M, 3500HP

Dates Test F	Represents:	9/6/2022	through	9/12/2022		
Agg. Class	Pit#	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution
6AA	58-003	Stoneco	1550	9.23	2.69	49.8
26A	58-003	Stoneco	350	2.09	2.69	11.3

7.26

2.67

38.9

1210

Contractor:

MDOT No.:



Builders Redi-Mix

30701 W. 10 Mile Rd. Suite 500

Farmington Hills, MI 48336

	Total Wt	3110	18.58		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"	100.0	100	0.0	100.0	100.0	0.0	0.0
3/4"	87.8	100	0.0	100.0	93.9	6.1	6.1
1/2"	45.1	99	0.2	100.0	72.5	21.4	27.5
3/8"	21.6	74	.2	100.0	58.0	14.5	42.0
#4	3.8	14	.4	100.0	42.4	15.6	57.6
#8	1.6	5.	.7	90.0	36.5	6.0	63.5
#16	1.7	3.	.8	68.5	27.9	8.5	72.1
#30	1.5	3.	.1	44.8	18.5	9.4	81.5
#50	1.3	2.	.8	15.8	7.1	11.4	92.9
#100	1.3	2.	7	3.1	2.2	5.0	97.8
LBW	0.8	2.	.2	0.4	0.8	1.4	99.2

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

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

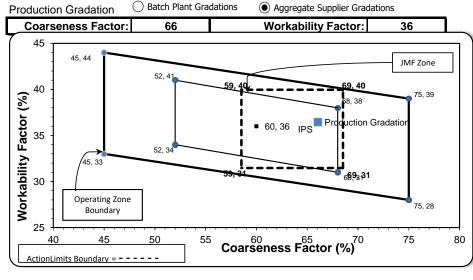
nom. max., #100 and #200 sieves.

*% 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:		
Workability 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"	99.2	0.8	0.8
3/4"	90.9	8.3	9.1
1/2"	71.3	19.6	28.7
3/8"	59.2	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

#100

Concrete Grade: S2M, 3500HP

Sample Date: 9/5/22 Dates Test Represents: 9/6/2022 9/12/2022 through

Agg. Class	Pit#	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution
6AA	71-47	Presque Isle	1420	8.69	2.62	46.6
26A	71-47	Presque Isle	400	2.45	2.62	13.1
2NS	95-013	Smelter Bay	1230	7.44	2.65	40.3
		Total Wt	3050	18.57		100.0

1.1

MDOT No.:

Cumulative

96.0

98.7

--- Verify this number is 100%

Contractor:

Cumulative

4.0

SUPERIOR MATERIALS

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

Sieve	6AA	26A	2NS	% Passing	% Retained	% 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"	99.2	100.0	100.0	99.6	0.4	0.4
3/4"	82.3	100.0	100.0	91.8	7.9	8.2
1/2"	32.1	90.7	100.0	67.2	24.6	32.8
3/8"	14.2	76.2	100.0	56.9	10.2	43.1
#4	2.9	13.4	95.9	41.8	15.2	58.2
#8	2.4	3.7	82.6	34.9	6.9	65.1
#16	2.1	1.8	67.5	28.4	6.5	71.6
#30	2.0	1.3	47.6	20.3	8.1	79.7
#50	1.8	1.2	23.7	10.6	9.7	89.4

7.5

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

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

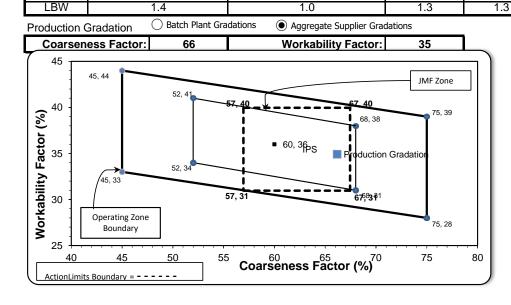
nom. max., #100 and #200 sieves.

*% 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)

6.6

2.7

Coars	Coarseness Factor:		
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

1.7

Sample Date:

9/5/22 Concrete Grade: **S2M**, **3500HP**

Dates Test Represents:		9/6/2022	through	9/12/2022		
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	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	81-019	Pleasant Lake	1200	7.26	2.65	38.7
		Total Wt	3100	18.58		100.0

Contractor:

MDOT No.:



----- Verify this number is 100%

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"	100.0	100.0	100.0	100.0	0.0	0.0
3/4"	87.8	100.0	100.0	93.7	6.3	6.3
1/2"	45.1	99.2	100.0	71.6	22.1	28.4
3/8"	21.6	74.2	100.0	57.0	14.5	43.0
#4	3.8	14.4	99.1	41.7	15.3	58.3
#8	1.6	5.7	83.1	33.5	8.2	66.5
#16	1.7	3.8	65.4	26.6	7.0	73.4
#30	1.5	3.1	45.8	18.8	7.8	81.2
#50	1.3	2.8	22.8	9.8	9.0	90.2
#100	1.3	2.7	7.0	3.6	6.1	96.4
LBW	0.8	2.2	1.4	1.2	2.5	98.8

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

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

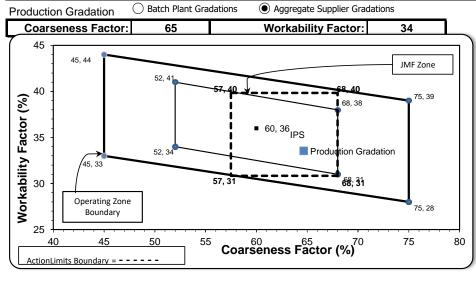
nom. max., #100 and #200 sieves.

 $\ensuremath{^{*}\%}$ 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:		
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	0.8
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

Sample Date:

Concrete Grade: S2M, 3500HP 9/5/22

Dates Test F	Represents:	9/6/2022	tnrougn	9/12/2022		
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution
6AA	71-47	Presque Isle	1550	9.48	2.62	50.8
26A	71-47	Presque Isle	300	1.83	2.62	9.8
2NS	63-92	Grange Hall	1200	7.26	2.65	39.3

Contractor:

MDOT No.:



ative	
ined	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	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"	97.5	10	0.0	100.0	98.7	1.3	1.3
3/4"	79.4	10	0.0	100.0	89.5	9.2	10.5
1/2"	43.3	90).7	100.0	70.3	19.3	29.7
3/8"	21.8	76	5.2	100.0	57.9	12.4	42.1
#4	3.7	13	3.4	97.7	41.6	16.3	58.4
#8	2.2	3	.7	83.6	34.4	7.3	65.6
#16	2.0	1	.8	68.9	28.3	6.1	71.7
#30	1.9	1	.3	51.0	21.2	7.1	78.8
#50	1.8	1	.2	22.6	9.9	11.2	90.1
#100	1.7	1	.1	3.9	2.5	7.4	97.5
LBW	1.5	1	.0	0.6	1.1	1.4	98.9

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

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

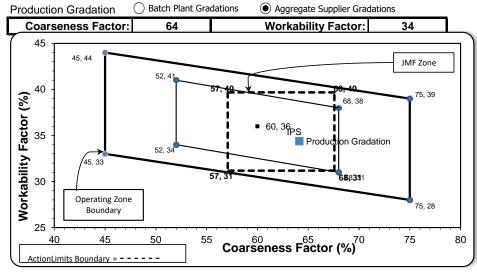
nom. max., #100 and #200 sieves.

*% 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:		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"	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

Sample Date:

9/5/22 Concrete Grade: S2M, 3500HP 0/12/2022

Dates Test F	Represents:	9/6/2022	through	9/12/2022		
Agg. Class	Pit#	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution
6AA	71-47	Presque Isle	1600	9.79	2.62	52.5
26A	71-47	Presque Isle	200	1.22	2.62	6.6
2NS	44-051	Krake Willis Rd	1250	7.56	2.65	41.0

MDOT No.:

Contractor:



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

	_		
2NS	Cumulative % Passing	% Retained	Cumulative % Retained
100.0	100.0	0.0	0.0
100.0	100.0	0.0	0.0
100.0	99.1	0.9	0.9
100.0	91.2	7.9	8.8
100.0	68.0	23.2	32.0
100.0	58.2	9.8	41.8
96.2	42.6	15.6	57.4
80.6	34.3	8.3	65.7
65.9	28.1	6.2	71.9
50.9	21.9	6.2	78.1
27.6	12.2	9.6	87.8
8.4	4.3	7.9	95.7
1.6	1.5	2.9	98.5
	100.0 100.0 100.0 100.0 100.0 96.2 80.6 65.9 50.9 27.6 8.4	2NS % Passing 100.0 100.0 100.0 100.0 100.0 99.1 100.0 91.2 100.0 68.0 100.0 58.2 96.2 42.6 80.6 34.3 65.9 28.1 50.9 21.9 27.6 12.2 8.4 4.3	2NS % Passing % Retained 100.0 100.0 0.0 100.0 100.0 0.0 100.0 99.1 0.9 100.0 91.2 7.9 100.0 68.0 23.2 100.0 58.2 9.8 96.2 42.6 15.6 80.6 34.3 8.3 65.9 28.1 6.2 50.9 21.9 6.2 27.6 12.2 9.6 8.4 4.3 7.9

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

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

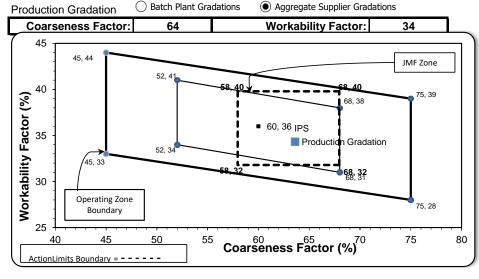
nom. max., #100 and #200 sieves.

*% 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
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

PREPARED BY: SM, LLC Technical Service

Total Wt

PLANT #: P-O2

Sample Date:

9/5/22 Concrete Grade: **S2M**, **3500HP**

18.57

Dates Test F	represents:	9/0/2022	through	9/12/2022		
Agg. Class	Pit#	Source	Weight (SSD)	ft ³	Specific	%
Ayy. Class	FIL#	Source	weight (SSD)	π	Gravity	Contribution
6AA	71-47	Presque Isle	1600	9.79	2.62	52.5
26A	71-47	Presque Isle	220	1.35	2.62	7.2
2NS	63-115	Ray Rd	1230	7 44	2 65	40.3

3050

Contractor:

MDOT No.:



----- Verify this number is 100%

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

Cumulative 26A 6AA % Retail Sieve 2NS % 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 97.5 100.0 100.0 98.7 1.3 1.3 3/4" 79.4 100.0 100.0 89.2 9.5 10.8 1/2' 43.3 90.7 100.0 69.6 19.6 30.4 3/8' 76.2 100.0 42.7 21.8 57.3 12.3 #4 3.7 13.4 96.4 41.8 15.5 58.2 #8 2.2 3.7 77.6 32.7 9.1 67.3 #16 2.0 1.8 61.1 25.8 6.9 74.2 #30 20.0 5.9 80.0 1.9 1.3 46.8 11.6 #50 1.8 1.2 26.2 8.4 88.4 #100 1.7 1.1 6.8 3.7 7.9 96.3 LBW 1.0 2.5

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

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

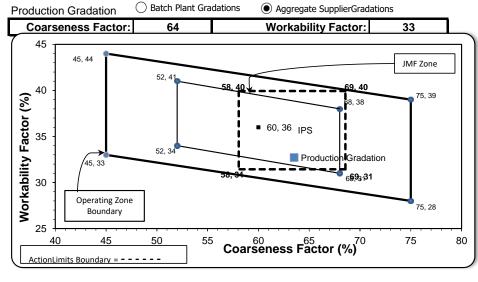
nom. max., #100 and #200 sieves.

 $\ensuremath{^{*}\%}$ 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
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

PREPARED BY: SM, LLC Technical Service