PLANT #: P-103

Sample Date:

10/27/25 Concrete Grade: **S2M**, **3500HP**

Dates Test F	Represents:	10/28/2025	through	11/3/2025		
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	63-114	Highland	1200	7.26	2.65	38.7
		Total Wt	3100	18.58		100.0

Contractor:

MDOT No.:

<---- Verify this number is 100%

SUPERIOR MATERIALS

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

	i Otai Wt	3100	10.50		100.0	< verily this n	umber is 100%
Sieve	6AA	26	6 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"	99.5	10	0.0	100.0	99.7	0.3	0.3
3/4"	84.2	10	0.0	100.0	91.8	7.9	8.2
1/2"	44.1	99	9.4	100.0	71.1	20.8	28.9
3/8"	25.6	87	7.4	100.0	60.4	10.7	39.6
#4	3.6	9	.8	99.0	41.1	19.3	58.9
#8	1.4	2	.6	84.2	33.6	7.6	66.4
#16	1.3	2	.3	65.9	26.4	7.2	73.6
#30	1.2	2	.0	45.1	18.3	8.1	81.7
#50	1.2	1	.6	20.6	8.7	9.5	91.3
#100	1.1	1	.4	4.0	2.3	6.5	97.7
LBW	0.9	1	.5	1.0	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.

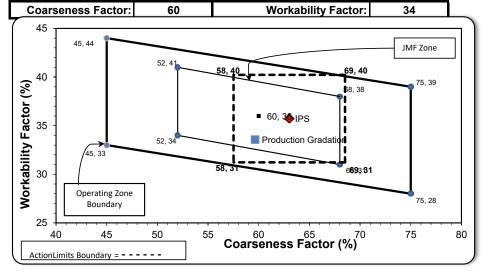
*% Retained must be at least 4% for each sieve except max.,

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

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

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

Production Gradation O Batch Plant Gradations • Aggregate Supplier Gradations



Intial Production Sample (IPS)

Coars	eness Factor:	63	
Work	Workability Factor:		
Sieve	Cumulative % Passing	% Retained	Cumulative % 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"	59.5	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	8.0	99.4

PREPARED BY: SM, LLC Technical Service Approved BY:

PLANT #: p11

Sample Date:

10/27/25 Concrete Grade: **S2M**, **3500HP**

Dates Test F	Represents:	10/28/2025	through	11/3/2025		
Agg. Class	Pit#	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution
6AA	71-47	Presque Isle	1520	9.30	2.62	49.8
26A	71-47	Presque Isle	300	1.83	2.62	9.8
2NS	63-115	Ray Rd	1230	7.44	2.65	40.3
		Total Wt	3050	18.57		100.0

Contractor:

MDOT No.:



---- Verify this number is 100%

ined	Cumulative % Retained	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"	97.2	100.0	100.0	98.6	1.4	1.4
3/4"	78.5	100.0	100.0	89.3	9.3	10.7
1/2"	31.8	98.0	100.0	65.8	23.5	34.2
3/8"	16.2	87.5	100.0	57.0	8.8	43.0
#4	2.9	20.0	97.4	42.7	14.3	57.3
#8	2.0	3.3	83.2	34.9	7.8	65.1
#16	1.8	1.7	64.4	27.0	7.8	73.0
#30	1.7	1.4	46.1	19.6	7.5	80.4
#50	1.7	1.3	21.8	9.8	9.8	90.2
#100	1.5	1.3	4.8	2.8	7.0	97.2
LBW	1.3	1.1	1.0	1.2	1.7	98.8

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

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

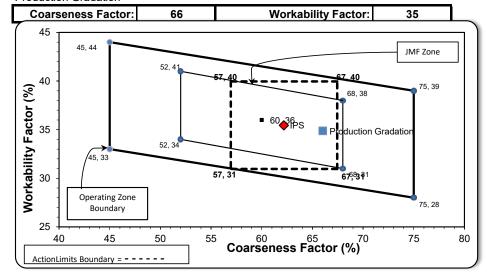
nom. max., #100 and #200 sieves.

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

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

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

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



Intial Production Sample (IPS)

Coars	eness Factor:	62	
Work	Workability Factor:		
Sieve	Cumulative % Passing	% Retained	Cumulative % 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	8.08
#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 Approved By:

Total Wt

PLANT #: P-O2

Sample Date:

Concrete Grade: S2M, 3500HP

Dates Test F	Represents:	10/28/2025	through	11/3/2025		
Agg. Class	Pit#	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution
6AA	71-47	Presque Isle	1520	9.30	2.62	49.8
26A	71-47	Presque Isle	300	1.83	2.62	9.8
2NC	63_115	Ray Rd	1230	7 44	2.65	40.3

3050

MDOT No.:

----- Verify this number is 100%

Contractor:

100.0

SUPERIOR MATERIALS

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	i
1.5"	100.0	100.0	100.0	100.0	0.0	0.0	ı
1"	97.2	100.0	100.0	98.6	1.4	1.4	ı
3/4"	78.5	100.0	100.0	89.3	9.3	10.7	ı
1/2"	31.8	98.0	100.0	65.8	23.5	34.2	ı
3/8"	16.2	87.5	100.0	57.0	8.8	43.0	,
#4	2.9	20.0	97.4	42.7	14.3	57.3	,
#8	2.0	3.3	83.2	34.9	7.8	65.1	no
#16	1.8	1.7	64.4	27.0	7.8	73.0	,
#30	1.7	1.4	46.1	19.6	7.5	80.4	no
#50	1.7	1.3	21.8	9.8	9.8	90.2	,
#100	1.5	1.3	4.8	2.8	7.0	97.2	а
I RW	1.3	11	1.0	12	17	98.8	1

18.57

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

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

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

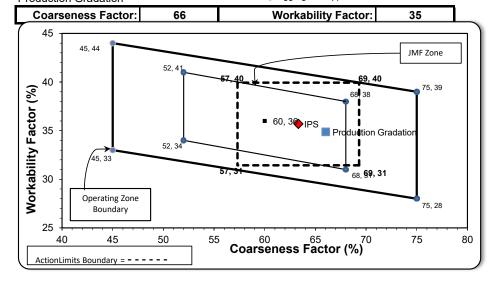
*% Retained must be at least 4% for each sieve except max.,

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 O Batch Plant Gradations • Aggregate SupplierGradations



Intial Production Sample (IPS)

Coars	eness Factor:	63	
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

PREPARED BY: SM, LLC Technical Service Approved By:

Mart I. Ball