PLANT #: P-103

Sample Date:

10/6/25 Concrete Grade: **S2M**, **3500HP** 

Dates Test F	represents:	10/7/2025	through	10/13/2025		
Agg. Class	Pit#	Source	Weight (SSD)	ft <sup>3</sup>	Specific	%
Ayy. Class	FIL#	Source	Weight (SSD)	IL.	Gravity	Contribution
6AA	58-003	Stoneco	1600	9.53	2.69	51.6
26A	58-003	Stoneco	300	1.79	2.69	9.7
2NIC	63-114	Highland	1200	7.26	2 65	38.7

Contractor:

MDOT No.:

ibution	
1.6	
9.7	
0.7	

SUPERIOR MATERIALS

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

Farmington Hills, MI 48336

	Total Wt	3100	18.58		100.0	< Verify this n	umber 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"	100.0	10	0.0	100.0	100.0	0.0	0.0
3/4"	84.0	10	0.0	100.0	91.7	8.3	8.3
1/2"	45.0	99	9.1	100.0	71.5	20.2	28.5
3/8"	25.0	85	5.5	100.0	59.9	11.6	40.1
#4	4.0	8	.3	98.7	41.1	18.8	58.9
#8	2.0	2	.4	83.8	33.7	7.4	66.3
#16	1.0	1	.6	64.8	25.8	7.9	74.2
#30	1.0	1	.4	44.9	18.0	7.7	82.0
#50	1.0	1	.3	21.9	9.1	8.9	90.9
#100	1.0	1	.2	4.9	2.5	6.6	97.5
LBW	0.9	1	.4	0.5	0.8	1.7	99.2

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

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

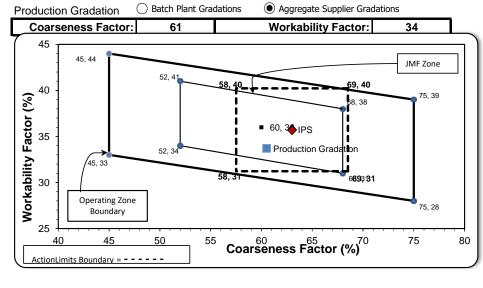
nom. max., #100 and #200 sieves.

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

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

\*% Retained must be at least 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:		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

Approved BY:

PLANT #: p11 Sample Date: 10/6/25

Concrete Grade: S2M, 3500HP

Dates Test F	Represents:	10/7/2025	through	10/13/2025		
Agg. Class	Pit #	Source	Weight (SSD)	ft <sup>3</sup>	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

MDOT No.:

Contractor:

Verify this number is 100%

SUPERIO	R

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

	Total Wt	3030 10.37		100.0	C Verily tills if	ulliber is 10076
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"	98.7	100.0	100.0	99.4	0.6	0.6
3/4"	85.8	100.0	100.0	92.9	6.4	7.1
1/2"	47.4	98.9	100.0	73.7	19.2	26.3
3/8"	25.8	83.3	100.0	61.4	12.3	38.6
#4	3.6	14.8	97.1	42.4	19.0	57.6
#8	2.0	5.5	80.9	34.2	8.2	65.8
#16	1.6	3.2	62.5	26.3	7.8	73.7
#30	1.5	2.6	46.1	19.6	6.7	80.4
#50	1.4	2.3	24.5	10.8	8.8	89.2
#100	1.4	2.1	6.5	3.5	7.3	96.5
LBW	1.2	1.8	1.0	1.2	2.3	98.8
	0				·	•

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

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

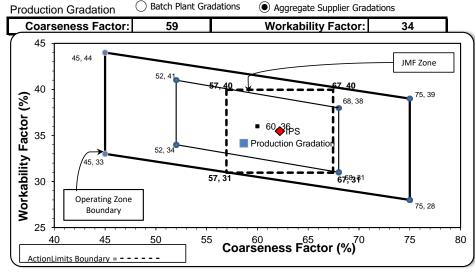
nom. max., #100 and #200 sieves.

\*% 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:		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