

Aggregate Optimization Chart

Production Gradation Report

PLANT #: **P-102**

Sample Date: 9/16/26

Concrete Grade: **P1M-3500HP**

Contractor: _____

Dates Test Represents: 9/17/2026 through 9/23/2026

MDOT No.: _____

Agg. Class	Pit #	Source	Weight (SSD)	ft³	Specific Gravity	% Contribution
CA	58-003	StoneCo	1340	7.98	2.69	41.9
IA	58-003	StoneCo	620	3.69	2.69	19.4
2NS	63-114	Highland	1240	7.47	2.66	38.8
Total Wt			3200	19.15		100.0

<----- 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
1.5"	100.0	100.0	100.0	100.0	0.0	0.0
1"	59.3	100.0	100.0	83.0	17.0	17.0
3/4"	32.9	100.0	100.0	71.9	11.1	28.1
1/2"	14.0	88.8	100.0	61.8	10.1	38.2
3/8"	9.7	73.2	100.0	57.0	4.8	43.0
#4	3.7	21.1	98.4	43.8	13.2	56.2
#8	2.3	4.4	83.6	34.2	9.6	65.8
#16	1.6	2.9	66.1	26.8	7.4	73.2
#30	1.4	2.5	47.1	19.3	7.5	80.7
#50	1.4	2.2	22.4	9.7	9.6	90.3
#100	1.4	2.1	5.5	3.1	6.6	96.9
LBW	1.3	2.0	0.9	1.3	1.8	98.7



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 4% for the 3/4" sieve when

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

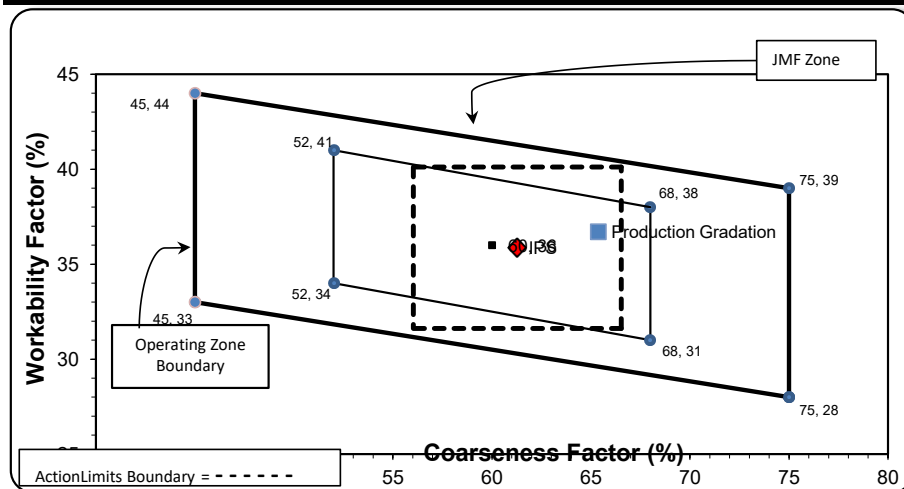
Production Gradation ☐ Batch Plant Gradations ☒ Aggregate Supplier Gradations

Adjusted WF Initial Production Sample (IPS)

Coarseness Factor:	65	Workability Factor:	34	36.7
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Coarseness Factor:	61
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Workability Factor:	36
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Sieve	Cumulative % Passing	% Retained	Cumulative % Retained
2"	100.0	0.0	0.0
1.5"	100.0	0.0	0.0
1"	99.3	0.7	0.7
3/4"	89.2	10.1	10.8
1/2"	70.7	18.5	29.3
3/8"	60.7	10.0	39.3
#4	44.4	16.3	55.6
#8	35.9	8.5	64.1
#16	27.3	8.6	72.7
#30	19.1	8.2	80.9
#50	7.4	11.7	92.6
#100	1.9	5.6	98.1
LBW	0.7	1.2	99.3

PREPARED BY:
SM, LLC Technical Service

Approved By:
Nancy Donahue

Aggregate Optimization Chart

Production Gradation Report

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MDOT No.: _____

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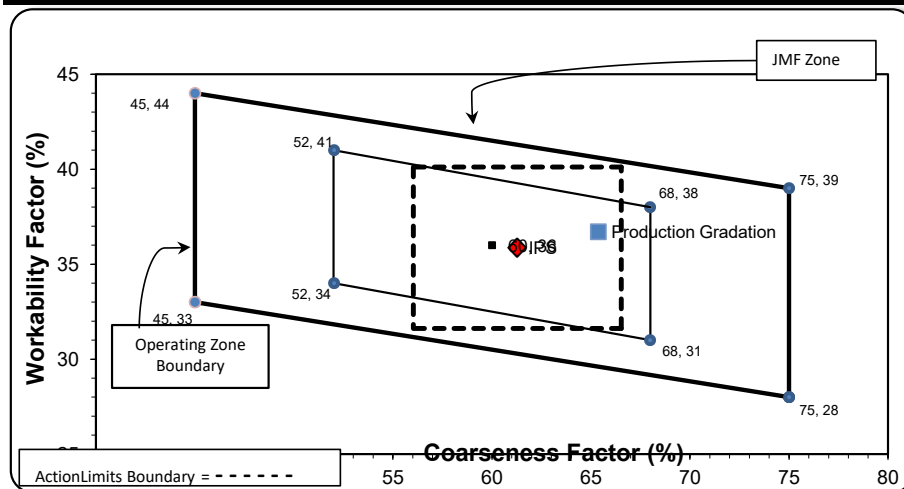
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