Aggregate Optimization Chart

Production Gradation Report

PLANT #: **P-102**

Contractor: _____

Sample Date: 10/28/26

Concrete Grade: **P1M-3500HP**

Dates Test Represents: 10/29/2026 through 11/4/2026

MDOT No.: _____

Agg. Class	Pit #	Source	Weight (SSD)	ft³	Specific Gravity	% Contribution
CA	58-003	StoneCo	1140	6.79	2.69	36.0
IA	58-003	StoneCo	800	4.77	2.69	25.2
2NS	63-114	Highland	1230	7.41	2.66	38.8
		Total Wt	**3170**	**18.97**		100.0

<----- Verify this number is 100%

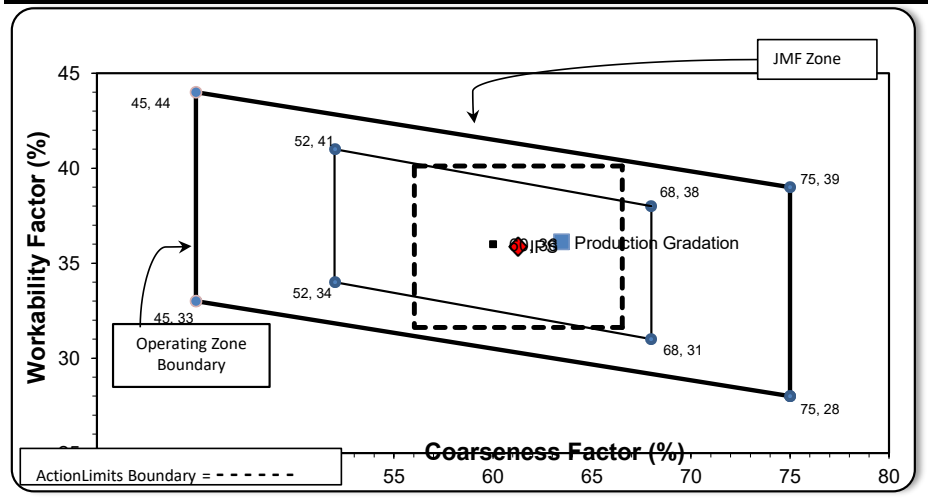
Sieve	CA	IA	2NS	Cumulative % Passing	% Retained	Cumulative % Retained
2"	100.0	100.0	100.0	100.0	0.0	0.0
1.5"	100.0	100.0	100.0	100.0	0.0	0.0
1"	55.9	100.0	100.0	84.1	15.9	15.9
3/4"	22.0	100.0	100.0	71.9	12.2	28.1
1/2"	8.3	87.8	100.0	63.9	8.0	36.1
3/8"	4.2	69.6	100.0	57.9	6.1	42.1
#4	1.8	15.8	98.3	42.8	15.1	57.2
#8	1.4	3.0	83.4	33.6	9.2	66.4
#16	1.3	2.1	65.0	26.2	7.4	73.8
#30	1.2	1.8	45.0	18.3	7.9	81.7
#50	1.2	1.7	22.0	9.4	8.9	90.6
#100	1.1	1.6	4.0	2.4	7.0	97.6
LBW	0.9	1.5	0.5	0.9	1.5	99.1

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

Coarseness Factor:	63	Workability Factor:	34	Adjusted WF 36.1



Intial Production Sample (IPS)

Coarseness Factor:	61
Workability Factor:	36

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

PLANT #: **P-103**

Contractor: _____

Sample Date: 10/28/26

Concrete Grade: **P1M-3500HP**

Dates Test Represents: 10/29/2026 through 11/4/2026

MDOT No.: _____

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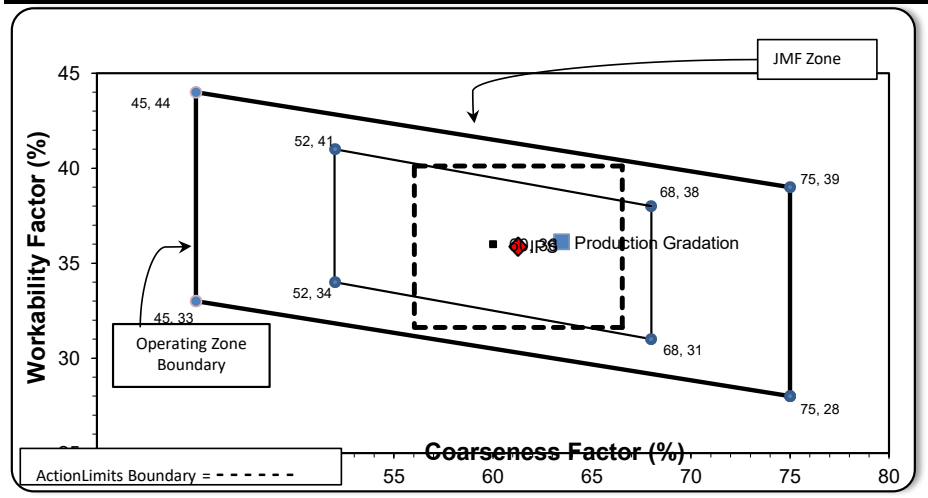
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Production Gradation ○ Batch Plant Gradations ◉ Aggregate Supplier Gradations

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