

Aggregate Optimization Chart

PLANT #: **P-102**

Sample Date: 3/20/26

Concrete Grade: **DM, 4500HP**

Contractor: _____

Dates Test Represents: 3/21/2026 through 3/27/2026

MDOT No.: _____

Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution
6AA	58-003	Stoneco	1400	8.34	2.69	46.7
26A	58-003	Stoneco	420	2.50	2.69	14.0
2NS	63-092	Grange Hall	1180	7.06	2.68	39.3
Total Wt			3000	17.90		100.0

<----- 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"	87.9	100.0	100.0	94.4	5.6	5.6
1/2"	37.3	99.5	100.0	70.7	23.7	29.3
3/8"	14.5	83.4	100.0	57.8	12.9	42.2
#4	1.9	7.8	97.6	40.4	17.4	59.6
#8	1.1	1.8	84.5	34.0	6.4	66.0
#16	0.8	1.3	68.8	27.6	6.4	72.4
#30	0.8	1.2	50.7	20.5	7.1	79.5
#50	0.7	1.1	22.0	9.1	11.3	90.9
#100	0.7	1.0	3.2	1.7	7.4	98.3
LBW	0.6	0.9	0.5	0.6	1.1	99.4

*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.

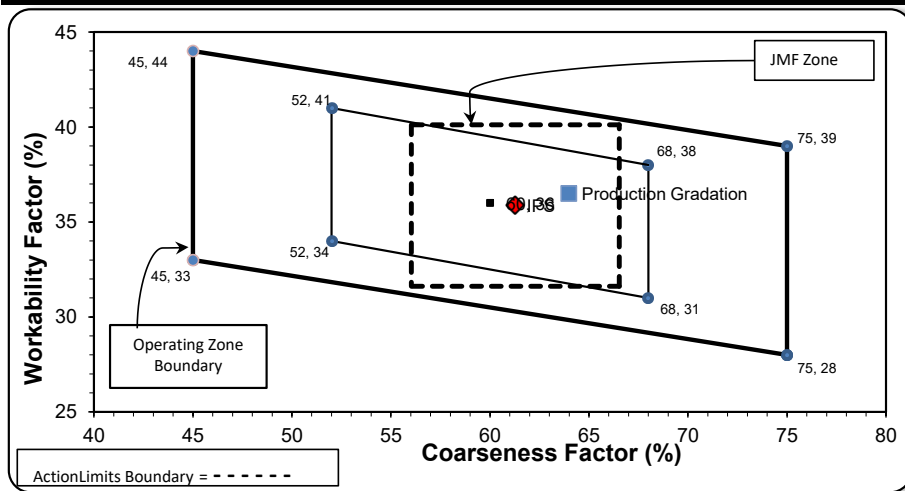
Production Gradation Batch Plant Gradations Aggregate Supplier Gradations

Adjusted WF Initial Production Sample (IPS)

Coarseness Factor:	64	Workability Factor:	34	36.5
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Coarseness Factor:	61
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Workability Factor:	36
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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

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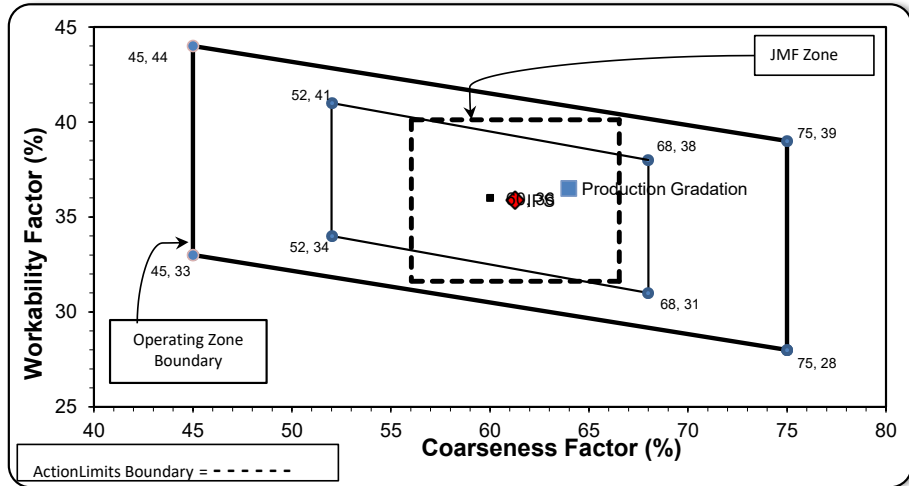
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