

Aggregate Optimization Chart

PLANT #: **P-02**

Sample Date: 2/17/26

Concrete Grade: **S2M, 3500HP**

Dates Test Represents: 2/18/2026 through 2/24/2026

Contractor: _____

MDOT No.: _____



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

Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution
6AA	71-47	Presque Isle	1500	9.17	2.62	48.7
26A	71-47	Presque Isle	300	1.83	2.62	9.7
2NS	63-115	Ray Rd	1280	7.74	2.65	41.6
Total Wt			3080	18.75		100.0

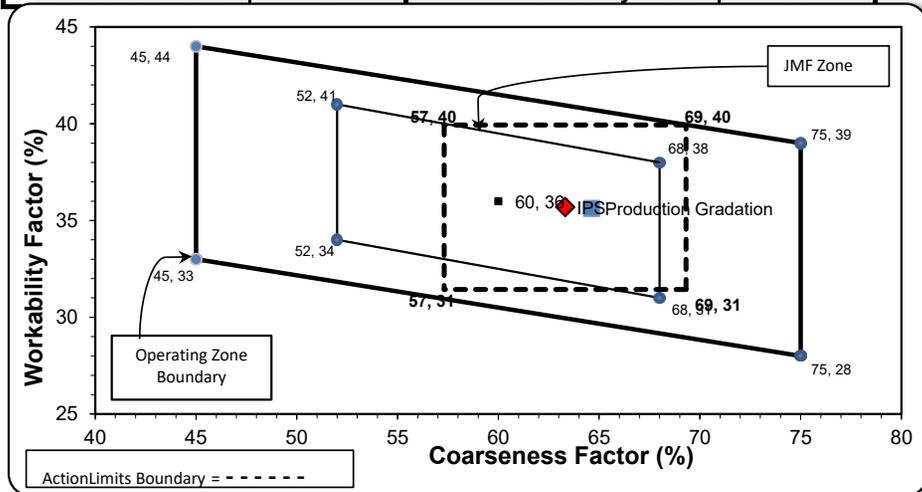
----- Verify this number is 100%

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"	98.4	100.0	100.0	99.2	0.8	0.8
3/4"	83.1	100.0	100.0	91.8	7.5	8.2
1/2"	38.5	96.1	100.0	69.7	22.1	30.3
3/8"	18.4	80.8	100.0	58.4	11.3	41.6
#4	2.3	15.4	97.2	43.0	15.4	57.0
#8	1.7	4.3	82.7	35.6	7.4	64.4
#16	1.5	2.4	64.6	27.8	7.8	72.2
#30	1.4	2.0	49.0	21.2	6.6	78.8
#50	1.3	1.8	25.3	11.3	9.9	88.7
#100	1.3	1.7	5.8	3.2	8.1	96.8
LBW	1.1	1.6	1.0	1.1	2.1	98.9

*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:	65	Workability Factor:	36
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Initial Production Sample (IPS)

Coarseness Factor:	63		
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"	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:
Nancy Donahue

Aggregate Optimization Chart

PLANT #: **P-11**

Sample Date: 2/17/26

Concrete Grade: **S2M, 3500HP**

Dates Test Represents: 2/18/2026 through 2/24/2026

Contractor: _____

MDOT No.: _____



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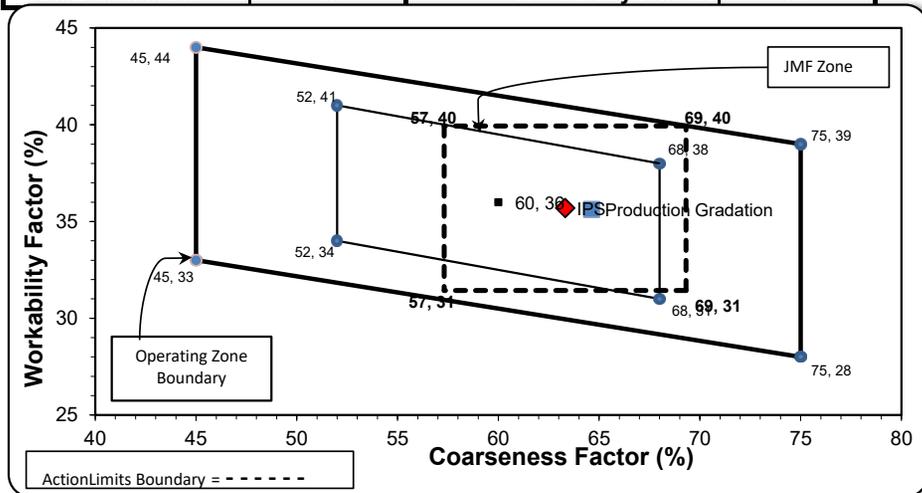
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