

Aggregate Optimization Chart

Production Gradation Report

PLANT #: **P-O2**

Sample Date: 1/15/26

Concrete Grade: **S2M, 3500HP**

Dates Test Represents: 1/16/2026 through 1/22/2026

Contractor: _____

MDOT No.: _____

Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution
6AA	71-47	Presque Isle	1380	8.44	2.62	44.8
26A	71-47	Presque Isle	500	3.06	2.62	16.2
2NS	63-115	Ray Rd	1200	7.26	2.65	39.0
Total Wt			3080	18.76		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"	97.7	100.0	100.0	99.0	1.0	1.0
3/4"	78.3	100.0	100.0	90.3	8.7	9.7
1/2"	36.6	95.5	100.0	70.9	19.4	29.1
3/8"	18.2	81.9	100.0	60.4	10.5	39.6
#4	2.9	77.8	97.4	51.9	8.5	48.1
#8	1.8	5.0	83.0	34.0	17.9	66.0
#16	1.6	2.9	62.8	25.7	8.3	74.3
#30	1.4	2.4	45.4	18.7	7.0	81.3
#50	1.4	2.3	22.6	9.8	8.9	90.2
#100	1.3	2.1	5.7	3.1	6.7	96.9
LBW	1.2	1.8	1.1	1.3	1.9	98.7



Superior Materials, LLC

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

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

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

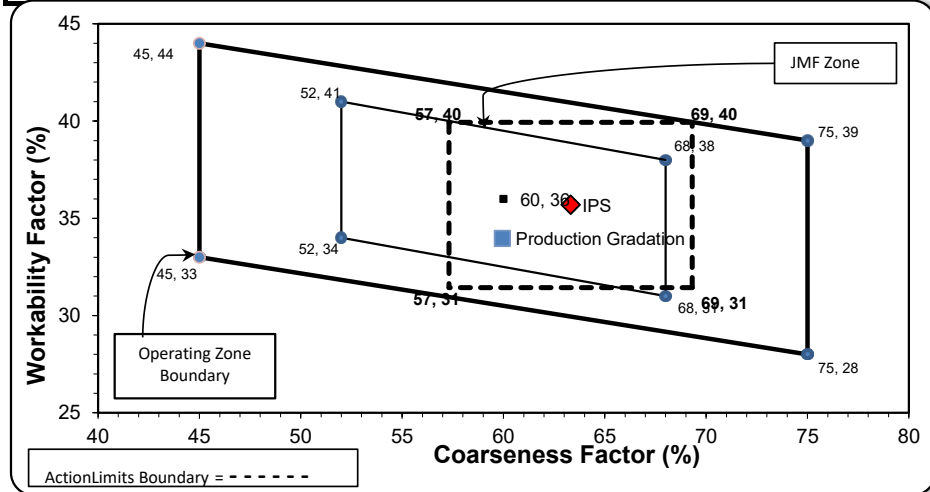
*% Retained must be at least 4% for each sieve except max.,

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:	60	Workability Factor:	34
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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:
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