

# Aggregate Optimization Chart

**PLANT #:** **P-35**

Sample Date: 5/18/26 GRADE: PM, 3500HP MDOT# \_\_\_\_\_  
 Dates Test Represents: 5/19/2026 to 5/25/2026

Agg. Class	Pit #	Source	Weight (ssd)	ft <sup>3</sup>	Specific Gravity	% Contribution
CA	58-003	Stoneco	1180	7.03	2.69	38.7
6AA	58-003	Stoneco	0	0.00	2.69	0.0
IA	58-003	Stoneco	690	4.11	2.69	22.6
26A	58-003	Stoneco	0	0.00	2.69	0.0
2NS	81-019	Pleasant Lk	1180	7.16	2.64	38.7
<b>Total Wt</b>			<b>3050</b>	<b>18.30</b>		<b>100.0</b>

CUSTOMER: \_\_\_\_\_

\*Fill in the total weight of each aggregate per cubic yard.

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



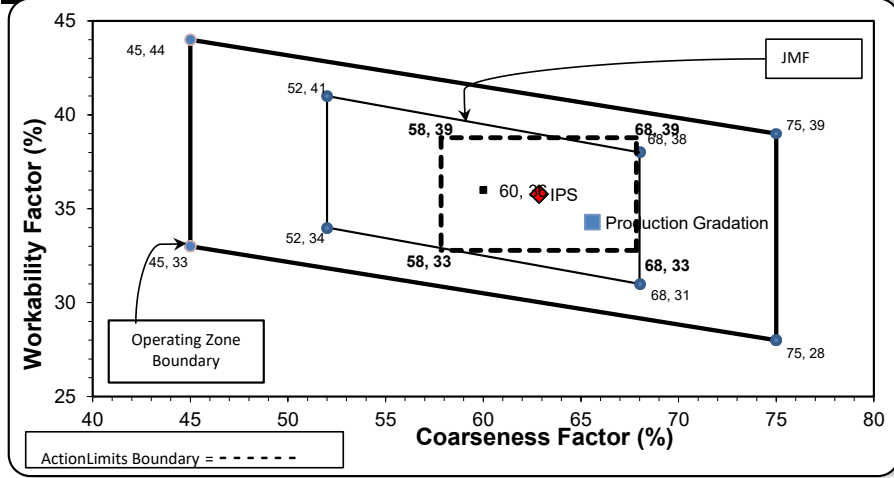
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Sieve	CA	6AA	IA	26A	2NS	Cumulative % Passing	% Retained	Cumulative % Retained
2"	100.0		100.0		100.0	100.0	0.0	0.0
1.5"	100.0		100.0		100.0	100.0	0.0	0.0
1"	66.6		100.0		100.0	87.1	12.9	12.9
3/4"	34.4		100.0		100.0	74.6	12.5	25.4
1/2"	8.4		85.8		100.0	61.3	13.3	38.7
3/8"	3.9		73.8		100.0	56.9	4.5	43.1
#4	1.8		23.0		97.8	43.7	13.2	56.3
#8	1.6		1.9		85.9	34.3	9.5	65.7
#16	1.3		1.2		68.9	27.4	6.9	72.6
#30	1.2		1.1		49.7	19.9	7.5	80.1
#50	1.2		1.0		17.3	7.4	12.6	92.6
#100	1.1		1.0		1.8	1.3	6.0	98.7
LBW	0.9		0.9		0.4	0.7	0.6	99.3

\*Maximum % Retained must be above the 3/8" sieve.  
 \*Any two adjacent sieves must equal 13% except max., nom. max., #100 and #200 sieves.  
 \*% Retained must be at least 5% for each sieve except max., nom. max., #100 and #200 sieves.  
 \*% Retained must be at least 8% for the 1" sieve when a 2" max. size (nom. Max. 1.5") aggregate is used.

Production Gradation  Batch Plant Gradations  Aggregate Supplier Gradations

**Coarseness Factor: 66**      **Workability Factor: 34**



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"	96.6	3.4	3.4
3/4"	88.8	7.8	11.2
1/2"	69.6	19.2	30.4
3/8"	59.6	10.0	40.4
#4	43.0	16.7	57.0
#8	35.8	7.2	64.2
#16	28.9	6.8	71.1
#30	21.9	7.0	78.1
#50	9.6	12.3	90.4
#100	2.2	7.4	97.8
LBW	1.1	1.2	98.9

PREPARED BY:

Approved By:  
*Nancy Donahue*