

Aggregate Optimization Chart

MIX ID'S: DDD0K7E7, DDD0K7E8 and DDD0K7E9

Production Gradation Report

PLANT #: **P-102**

Sample Date: 1/15/18

Concrete Grade: DM

Contractor: _____

Dates Test Represents: 1/15/2018 to 1/21/2018

MDOT No.: _____

Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution
6AA	58-003	Stoneco	1545	9.20	2.69	51.6
26A	58-003	Stoneco	250	1.49	2.69	8.3
2NS	63-114	AA Highland	1200	7.26	2.65	40.1
Total Wt			2995	17.95		100.0

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



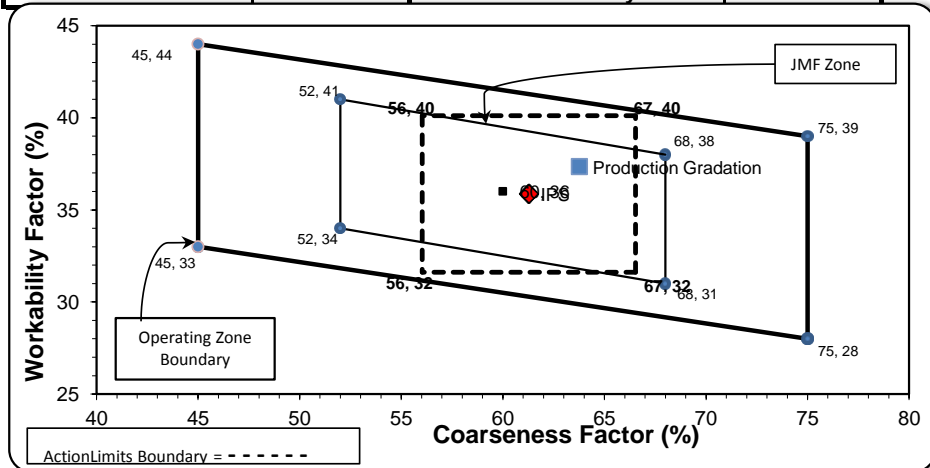
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Sieve	6AA	26A	2NS	Cumulative % Passing	% Retained	Cumulative % Retained
2"	100.0	100.0	100.0	100.0	0.0	0.0
1.5"	100.0	100.0	100.0	100.0	0.0	0.0
1"	100.0	100.0	100.0	100.0	0.0	0.0
3/4"	82.0	100.0	100.0	90.7	9.3	9.3
1/2"	44.8	99.6	100.0	71.5	19.2	28.5
3/8"	25.1	84.2	100.0	60.0	11.4	40.0
#4	6.4	19.5	99.6	44.8	15.2	55.2
#8	3.6	4.6	87.6	37.3	7.5	62.7
#16	1.7	2.1	69.5	28.9	8.4	71.1
#30	1.6	1.5	48.8	20.5	8.4	79.5
#50	1.5	1.3	16.5	7.5	13.0	92.5
#100	1.5	1.2	1.8	1.6	5.9	98.4
LBW	1.6	1.1	0.3	1.0	0.6	99.0

*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 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:	64	Workability Factor:	37
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Initial 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:

Approved By: