

Aggregate Optimization Chart

MIX ID'S: DDD0K7E7, DDD0K7E8 and DDD0K7E9

Production Gradation Report

PLANT #: P-102

Sample Date: 2/26/18

Concrete Grade: **DM**

Contractor: _____

Dates Test Represents: 2/26/2018 to 3/4/2018

MDOT No.: _____

Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution
6AA	58-003	Stoneco	1595	9.50	2.69	53.3
26A	58-003	Stoneco	200	1.19	2.69	6.7
2NS	63-114	AA Highland	1200	7.26	2.65	40.1
Total Wt			2995	17.95		100.0

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



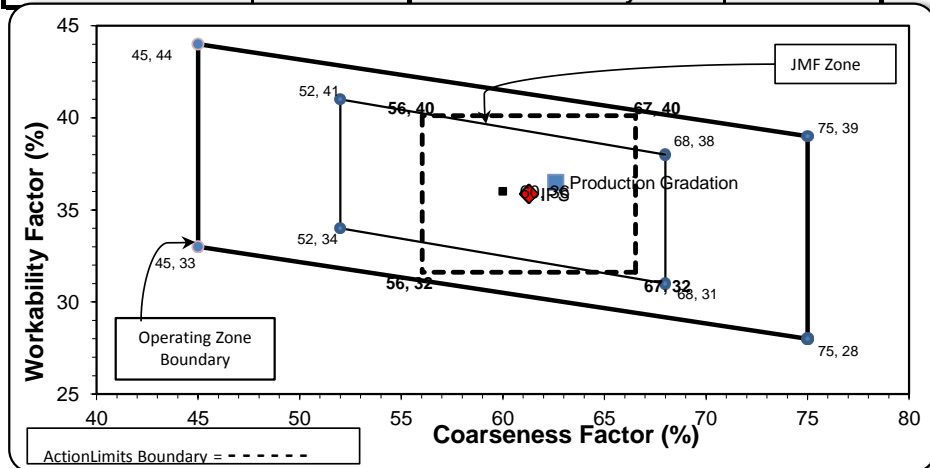
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Sieve	6AA	26A	2NS	Cumulative % Passing	% Retained	Cumulative % Retained
2"	100.0	100.0	100.0	100.0	0.0	0.0
1.5"	100.0	100.0	100.0	100.0	0.0	0.0
1"	99.5	100.0	100.0	99.7	0.3	0.3
3/4"	83.9	100.0	100.0	91.4	8.3	8.6
1/2"	44.8	99.6	100.0	70.6	20.8	29.4
3/8"	26.7	89.0	100.0	60.2	10.3	39.8
#4	6.3	25.5	99.8	45.0	15.2	55.0
#8	2.3	7.2	86.8	36.5	8.6	63.5
#16	1.6	3.1	66.1	27.5	8.9	72.5
#30	1.4	2.2	43.9	18.5	9.1	81.5
#50	1.3	1.9	13.7	6.3	12.2	93.7
#100	1.2	1.8	2.1	1.6	4.7	98.4
LBW	1.0	1.6	0.3	0.8	0.8	99.2

*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:	63	Workability Factor:	36
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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: