

Aggregate Optimization Chart

MIX ID'S: DDD0K7E7, DDD0K7E8 and DDD0K7E9

Production Gradation Report

PLANT #: **P-102**

Sample Date: 3/5/18

Concrete Grade: **DM**

Contractor: _____

Dates Test Represents: 3/5/2018 to 3/11/2018

MDOT No.: _____

Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution
6AA	58-003	Stoneco	1195	7.12	2.69	39.9
26A	58-003	Stoneco	600	3.57	2.69	20.0
2NS	47-16	Buno Road	1200	7.26	2.65	40.1
Total Wt			2995	17.95		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"	100.0	100.0	100.0	100.0	0.0	0.0
3/4"	83.2	100.0	100.0	93.3	6.7	6.7
1/2"	34.7	99.8	100.0	73.9	19.4	26.1
3/8"	4.3	89.8	100.0	59.8	14.1	40.2
#4	2.2	24.4	95.8	44.1	15.6	55.9
#8	1.5	6.0	85.2	35.9	8.2	64.1
#16	1.3	2.6	71.9	29.8	6.1	70.2
#30	1.3	1.8	52.5	21.9	7.9	78.1
#50	1.2	1.6	19.4	8.6	13.3	91.4
#100	1.1	1.6	2.6	1.8	6.8	98.2
LBW	1.0	1.4	0.5	0.9	0.9	99.1

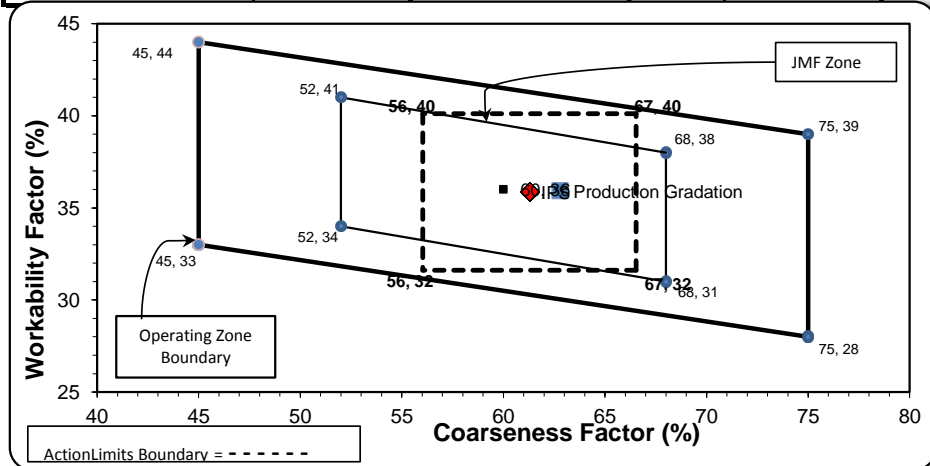


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*Maximum % Retained must be above the 3/8" sieve.
 *Any two adjacent sieves must equal 10% except max., nom. max., #100 and #200 sieves.
 *% Retained must be at least 4% for each sieve except max., nom. max., #100 and #200 sieves.
 *% Retained must be at least 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**



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: