

Aggregate Optimization Chart

MIX ID'S: DDD0K7E7, DDD0K7E8 and DDD0K7E9

Production Gradation Report

PLANT #: **P-102**

Sample Date: 3/26/18

Concrete Grade: DM

Contractor: _____

Dates Test Represents: 3/26/2018 to 4/1/2018

MDOT No.: _____

Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution
6AA	58-003	Stoneco	1395	8.31	2.69	46.6
26A	58-003	Stoneco	400	2.38	2.69	13.4
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"	83.6	100.0	100.0	92.4	7.6	7.6
1/2"	40.2	99.6	100.0	72.1	20.3	27.9
3/8"	20.6	89.7	100.0	61.6	10.5	38.4
#4	4.2	26.1	96.1	43.9	17.7	56.1
#8	2.4	7.7	85.6	36.4	7.5	63.6
#16	2.2	3.1	72.2	30.4	6.1	69.6
#30	2.0	2.1	52.4	22.2	8.2	77.8
#50	1.9	1.8	18.7	8.6	13.6	91.4
#100	1.8	1.7	2.6	2.1	6.5	97.9
LBW	1.4	1.5	0.4	1.0	1.1	99.0

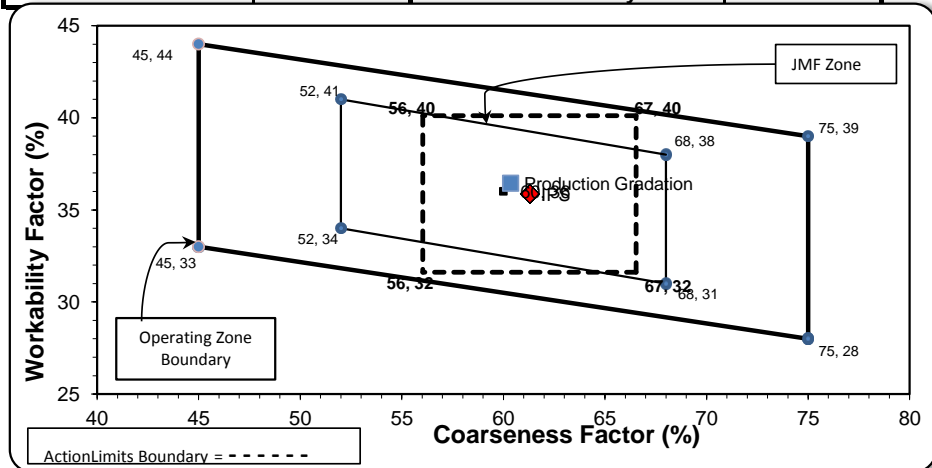


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*Maximum % Retained must be above the 3/8" sieve.
 *Any two adjacent sieves must equal 10% except max., nom. max., #100 and #200 sieves.
 *% Retained must be at least 4% for each sieve except max., nom. max., #100 and #200 sieves.
 *% Retained must 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: 60 **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: