

Aggregate Optimization Chart

MIX ID'S: DDD0K7E7, DDD0K7E8 and DDD0K7E9

Production Gradation Report

PLANT #: **P-102**

Sample Date: 1/22/18

Concrete Grade: **DM**

Contractor: _____

Dates Test Represents: 1/22/2018 to 1/28/2018

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%

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"	81.4	100.0	100.0	90.4	9.6	9.6
1/2"	43.0	99.6	100.0	70.6	19.8	29.4
3/8"	25.4	86.8	100.0	60.4	10.1	39.6
#4	6.5	12.7	99.6	44.3	16.1	55.7
#8	3.6	1.9	86.5	36.7	7.6	63.3
#16	2.1	0.8	68.2	28.5	8.2	71.5
#30	1.9	0.7	46.2	19.5	8.9	80.5
#50	1.8	0.6	12.9	6.1	13.4	93.9
#100	1.8	0.6	1.4	1.5	4.6	98.5
LBW	1.6	0.5	0.3	1.0	0.6	99.0

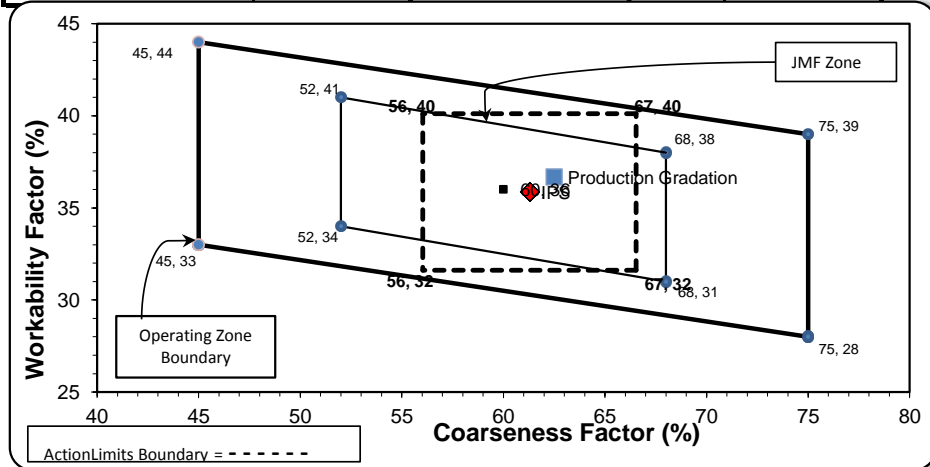
*Maximum % Retained must be above the 3/8" sieve.
 *Any two adjacent sieves must equal 10% except max., nom. max., #100 and #200 sieves.
 *% Retained must be at least 4% for each sieve except max., nom. max., #100 and #200 sieves.
 *% Retained must be at least 8% for the 1" sieve when a 2" max. size (nom. Max. 1.5") aggregate is used.



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Production Gradation Batch Plant Gradations Aggregate Supplier Gradations

Coarseness Factor: 63 **Workability Factor: 37**



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: