

Aggregate Optimization Chart

MIX ID'S: DDD0K7E7, DDD0K7E8 and DDD0K7E9

Production Gradation Report

PLANT #: **P-102**

Sample Date: 2/19/18

Concrete Grade: DM

Contractor: _____

Dates Test Represents: 2/19/2018 to 2/25/2018

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%



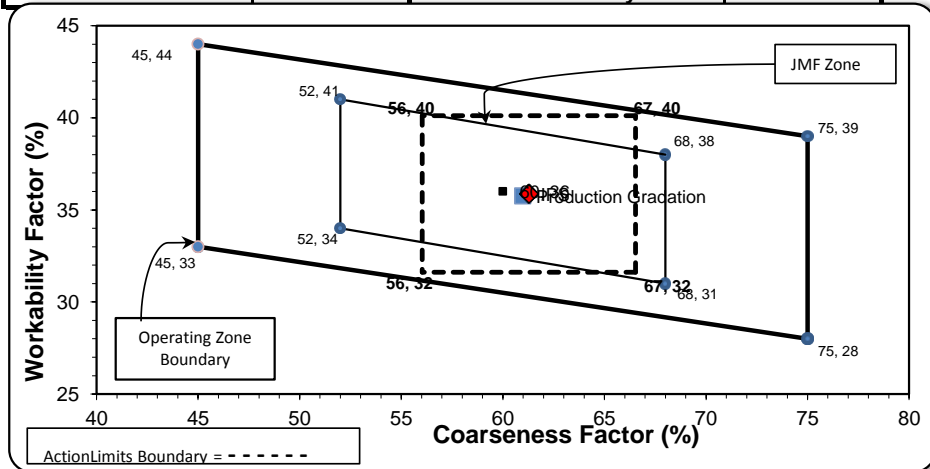
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Sieve	6AA	26A	2NS	Cumulative % Passing	% Retained	Cumulative % Retained
2"	100.0	100.0	100.0	100.0	0.0	0.0
1.5"	100.0	100.0	100.0	100.0	0.0	0.0
1"	100.0	100.0	100.0	100.0	0.0	0.0
3/4"	86.8	100.0	100.0	93.0	7.0	7.0
1/2"	46.6	99.5	100.0	71.5	21.4	28.5
3/8"	28.2	85.9	100.0	60.8	10.7	39.2
#4	5.4	28.8	99.6	44.7	16.1	55.3
#8	2.5	6.7	84.8	35.8	9.0	64.2
#16	2.0	2.6	64.2	27.0	8.8	73.0
#30	1.8	2.0	42.8	18.2	8.7	81.8
#50	1.6	1.8	14.0	6.6	11.7	93.4
#100	1.5	1.6	2.2	1.8	4.8	98.2
LBW	1.4	1.4	0.3	1.0	0.8	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: **61** **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: