

Aggregate Optimization Chart

MIX ID'S: DDP154E7 and DDP154E8

Production Gradation Report

PLANT #: **P-102**

Sample Date: 6/19/17

Concrete Grade: **P1M**

Contractor: _____

Dates Test Represents: 6/19/2017

6/25/2017

MDOT No.: _____

Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution
CA	58-003	Stoneco	1320	7.86	2.69	41.9
IA	58-003	Stoneco	600	3.57	2.69	19.0
2NS	47-16	Buno Road	1230	7.44	2.65	39.0
Total Wt			3150	18.88		100.0

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

Sieve	CA	IA	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"	60.2	100.0	100.0	83.3	16.7	16.7
3/4"	30.6	100.0	100.0	70.9	12.4	29.1
1/2"	10.2	90.6	100.0	60.6	10.3	39.4
3/8"	5.2	74.5	100.0	55.4	5.2	44.6
#4	2.2	19.8	96.1	42.2	13.2	57.8
#8	1.8	5.1	85.5	35.1	7.1	64.9
#16	1.5	2.5	72.6	29.5	5.7	70.5
#30	1.4	2.0	53.3	21.8	7.7	78.2
#50	1.4	1.8	21.3	9.2	12.5	90.8
#100	1.3	1.7	3.4	2.2	7.1	97.8
LBW	1.2	1.5	0.5	1.0	1.2	99.0

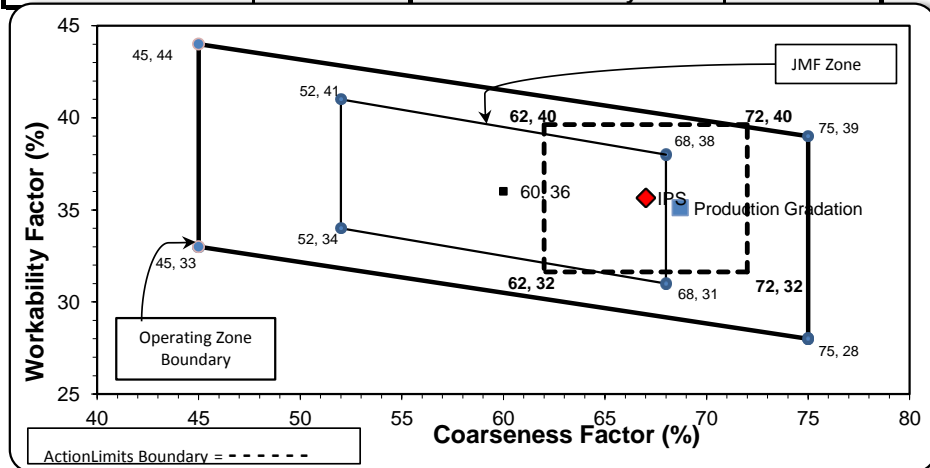


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*Maximum % Retained must be above the 3/8" sieve.
 *Any two adjacent sieves must equal 10% except max., nom. max., #100 and #200 sieves.
 *% Retained must be at least 4% for each sieve except max., nom. max., #100 and #200 sieves.
 *% Retained must 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: **69** Workability Factor: **35**



Initial Production Sample (IPS)

Coarseness Factor: 67		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"	87.2	12.8	12.8
3/4"	76.6	10.6	23.4
1/2"	64.4	12.2	35.6
3/8"	56.9	7.6	43.1
#4	44.1	12.7	55.9
#8	35.6	8.5	64.4
#16	27.7	8.0	72.3
#30	19.5	8.2	80.5
#50	7.8	11.6	92.2
#100	2.3	5.6	97.7
LBW	0.6	1.6	99.4

PREPARED BY:

Approved By: