

Aggregate Optimization Chart

MIX ID'S: DDP154E7 and DDP154E8

Production Gradation Report

PLANT #: **P-102**

Sample Date: 6/12/17

Concrete Grade: **P1M**

Contractor: _____

Dates Test Represents: 6/12/2017

6/18/2017

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"	65.5	100.0	100.0	85.5	14.5	14.5
3/4"	45.8	100.0	100.0	77.3	8.3	22.7
1/2"	19.6	96.0	100.0	65.5	11.7	34.5
3/8"	3.0	85.0	100.0	56.5	9.1	43.5
#4	2.1	54.1	96.6	48.9	7.6	51.1
#8	1.8	6.8	85.5	35.4	13.5	64.6
#16	1.7	2.5	71.8	29.2	6.2	70.8
#30	1.6	1.8	53.2	21.8	7.4	78.2
#50	1.6	1.6	21.4	9.3	12.5	90.7
#100	1.5	1.5	3.5	2.3	7.1	97.7
LBW	1.5	1.4	0.5	1.1	1.2	98.9

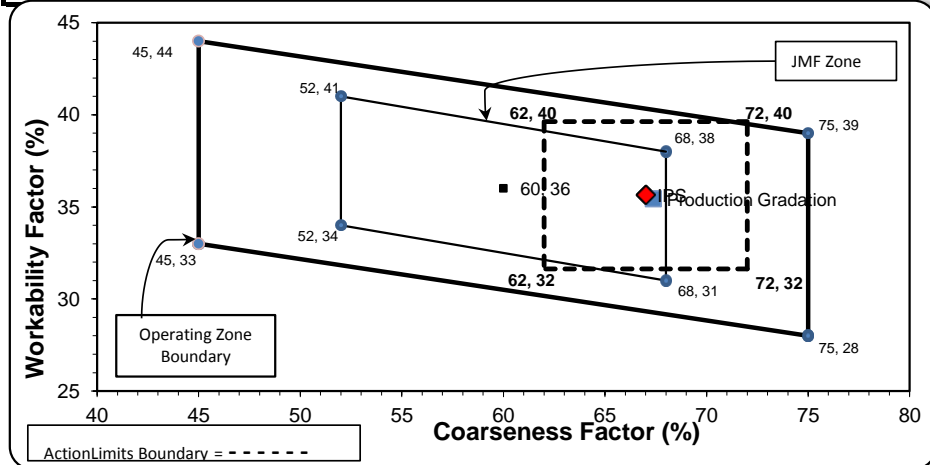
*Maximum % Retained must be above the 3/8" sieve.
 *Any two adjacent sieves must equal 10% except max., nom. max., #100 and #200 sieves.
 *% Retained must be at least 4% for each sieve except max., nom. max., #100 and #200 sieves.
 *% Retained must be at least 8% for the 1" sieve when a 2" max. size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



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Production Gradation Batch Plant Gradations Aggregate Supplier Gradations

Coarseness Factor: **67** 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: