

Aggregate Optimization Chart

MIX ID'S: DDP154E7 and DDP154E8

Production Gradation Report

PLANT #: **P-102**

Sample Date: 6/5/17

Concrete Grade: **P1M**

Contractor: _____

Dates Test Represents: 6/5/2017 to 6/11/2017

MDOT No.: _____

Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution
CA	58-003	Stoneco	1220	7.27	2.69	38.7
IA	58-003	Stoneco	700	4.17	2.69	22.2
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"	60.8	100.0	100.0	84.8	15.2	15.2
3/4"	37.0	100.0	100.0	75.6	9.2	24.4
1/2"	5.0	93.3	100.0	61.7	13.9	38.3
3/8"	2.1	75.2	100.0	56.6	5.1	43.4
#4	1.5	21.1	95.9	42.7	13.9	57.3
#8	1.5	5.5	85.7	35.3	7.4	64.7
#16	1.4	2.2	72.3	29.3	6.0	70.7
#30	1.3	1.6	51.5	21.0	8.3	79.0
#50	1.2	1.4	18.0	7.8	13.2	92.2
#100	1.2	1.3	2.7	1.8	6.0	98.2
LBW	1.2	1.1	0.5	0.9	0.9	99.1

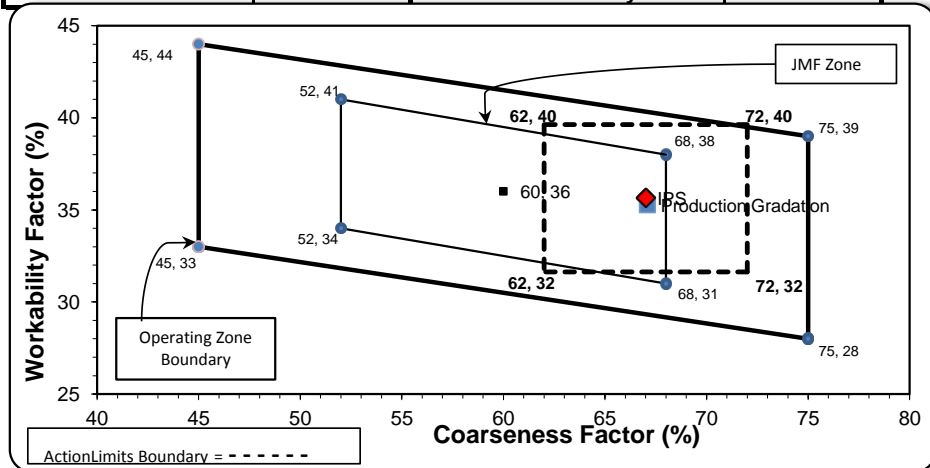
*Maximum % Retained must be above the 3/8" sieve.
 *Any two adjacent sieves must equal 10% except max., nom. max., #100 and #200 sieves.
 *% Retained must be at least 4% for each sieve except max., nom. max., #100 and #200 sieves.
 *% Retained must be at least 8% for the 1" sieve when a 2" max. size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