

Aggregate Optimization Chart

MIX ID'S: DDP154E7 and DDP154E8

Production Gradation Report

PLANT #: **P-102**

Sample Date: 7/3/17

Concrete Grade: **P1M**

Contractor: _____

Dates Test Represents: 7/3/2017 7/9/2017

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	63-114	AA Highland	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"	65.2	100.0	100.0	85.4	14.6	14.6
3/4"	38.7	100.0	100.0	74.3	11.1	25.7
1/2"	16.6	94.5	100.0	64.0	10.3	36.0
3/8"	7.9	81.9	100.0	58.0	6.0	42.0
#4	3.2	24.0	99.9	44.9	13.0	55.1
#8	2.4	5.2	88.2	36.4	8.5	63.6
#16	2.2	2.2	67.4	27.7	8.8	72.3
#30	2.0	1.6	46.5	19.3	8.4	80.7
#50	1.8	1.4	17.6	7.9	11.4	92.1
#100	1.7	1.3	2.8	2.1	5.8	97.9
LBW	1.5	1.2	0.4	1.0	1.0	99.0

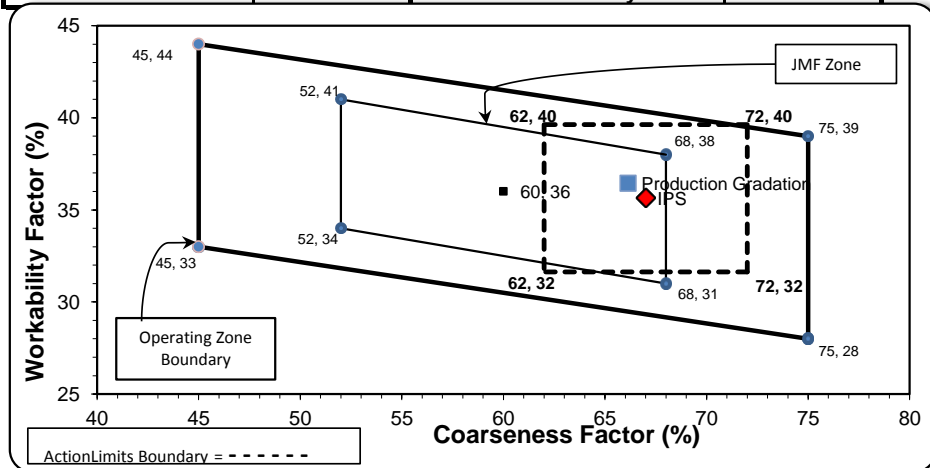
*Maximum % Retained must be above the 3/8" sieve.
 *Any two adjacent sieves must equal 10% except max., nom. max., #100 and #200 sieves.
 *% Retained must be at least 4% for each sieve except max., nom. max., #100 and #200 sieves.
 *% Retained must be at least 8% for the 1" sieve when a 2" max. size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



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Production Gradation Batch Plant Gradations Aggregate Supplier Gradations

Coarseness Factor: 66 **Workability Factor: 36**



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: