

Aggregate Optimization Chart

MIX ID'S: DDP154E7 and DDP154E8

Production Gradation Report

PLANT #: **P-102**

Sample Date: 6/26/17

Concrete Grade: **P1M**

Contractor: _____

Dates Test Represents: 6/26/2017 7/2/2017

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"	69.1	100.0	100.0	87.1	12.9	12.9
3/4"	43.7	100.0	100.0	76.4	10.6	23.6
1/2"	15.2	93.7	100.0	63.3	13.1	36.7
3/8"	3.8	81.7	100.0	56.2	7.1	43.8
#4	2.0	21.7	99.7	43.9	12.3	56.1
#8	1.7	4.8	86.0	35.2	8.7	64.8
#16	1.5	2.1	65.9	26.8	8.4	73.2
#30	1.3	1.6	45.5	18.6	8.1	81.4
#50	1.2	1.5	17.4	7.6	11.0	92.4
#100	1.2	1.4	3.0	1.9	5.6	98.1
LBW	1.1	1.3	0.4	0.9	1.1	99.1

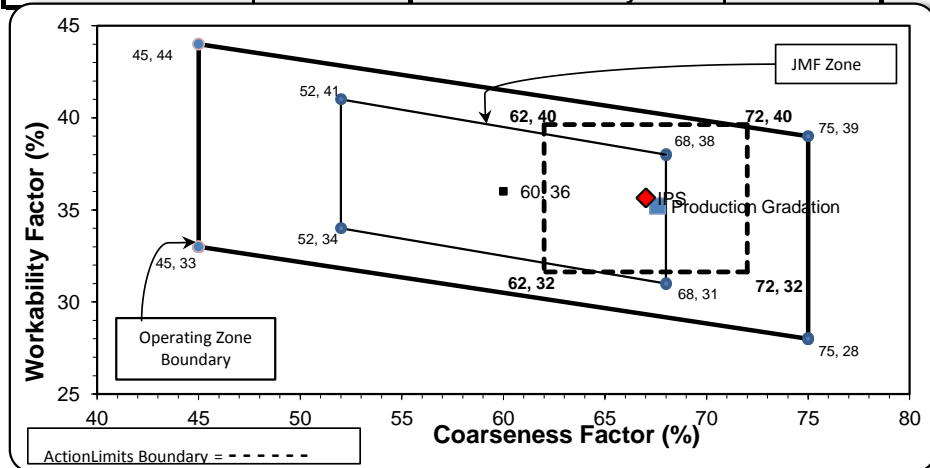


Superior Materials, LLC
 30701 W. 10 Mile Rd.
 Suite 500
 Farmington Hills, MI 48336

*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:	68	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: