

Aggregate Optimization Chart

MIX ID'S: DDS257E7 and DDS257E8

Production Gradation Report

PLANT #: **P-102**

Sample Date: 3/19/18

Concrete Grade: **S2M**

Contractor: _____

Dates Test Represents: 3/19/2018 to 3/25/2018

MDOT No.: _____

Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution
6AA	58-003	Stoneco	1450	8.64	2.69	45.9
26A	58-003	Stoneco	450	2.68	2.69	14.2
2NS	47-16	Buno Road	1260	7.62	2.65	39.9
Total Wt			3160	18.94		100.0

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

Sieve	6AA	26A	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"	100.0	100.0	100.0	100.0	0.0	0.0
3/4"	73.9	100.0	100.0	88.0	12.0	12.0
1/2"	37.4	99.7	100.0	71.2	16.8	28.8
3/8"	15.8	90.0	100.0	59.9	11.3	40.1
#4	4.1	26.0	96.5	44.1	15.9	55.9
#8	2.2	7.1	86.4	36.5	7.6	63.5
#16	1.2	2.9	73.2	30.2	6.3	69.8
#30	1.1	2.0	53.9	22.3	7.9	77.7
#50	1.0	1.9	19.5	8.5	13.8	91.5
#100	0.9	1.8	2.6	1.7	6.8	98.3
LBW	1.2	1.6	0.6	1.0	0.7	99.0

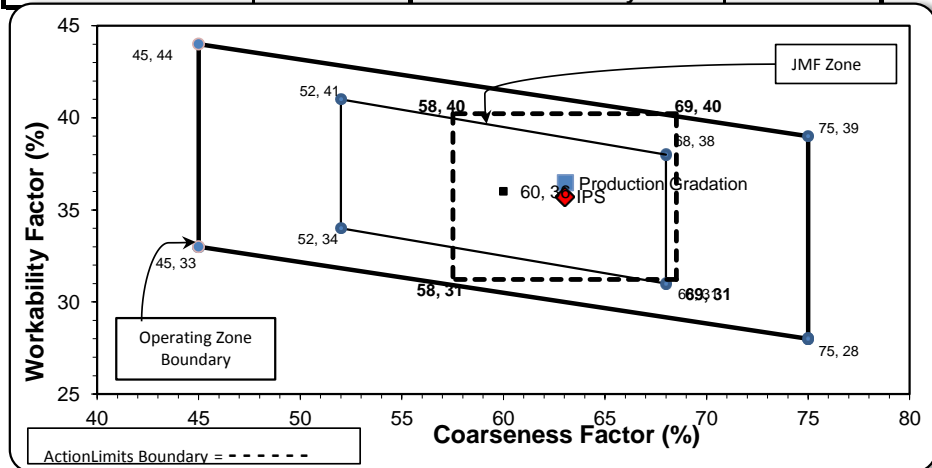


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*Maximum % Retained must be above the 3/8" sieve.
 *Any two adjacent sieves must equal 10% except max., nom. max., #100 and #200 sieves.
 *% Retained must be at least 4% for each sieve except max., nom. max., #100 and #200 sieves.
 *% Retained must 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: 63 **Workability Factor: 36**



Initial Production Sample (IPS)

Coarseness Factor: 63		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"	99.2	0.8	0.8
3/4"	90.9	8.3	9.1
1/2"	71.3	19.6	28.7
3/8"	59.5	11.8	40.5
#4	43.8	15.7	56.2
#8	35.7	8.1	64.3
#16	27.0	8.7	73.0
#30	18.6	8.4	81.4
#50	6.8	11.8	93.2
#100	1.4	5.4	98.6
LBW	0.6	0.8	99.4

PREPARED BY:

Approved By: