

Aggregate Optimization Chart

MIX ID'S: DDS257E7 and DDS257E8

Production Gradation Report

PLANT #: **P-102**

Sample Date: 2/12/18

Concrete Grade: **S2M**

Contractor: _____

Dates Test Represents: 2/12/2018 to 2/18/2018

MDOT No.: _____

Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution
6AA	58-003	Stoneco	1550	9.23	2.69	49.1
26A	58-003	Stoneco	400	2.38	2.69	12.7
2NS	63-114	AA Highland	1210	7.32	2.65	38.3
Total Wt			3160	18.93		100.0

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



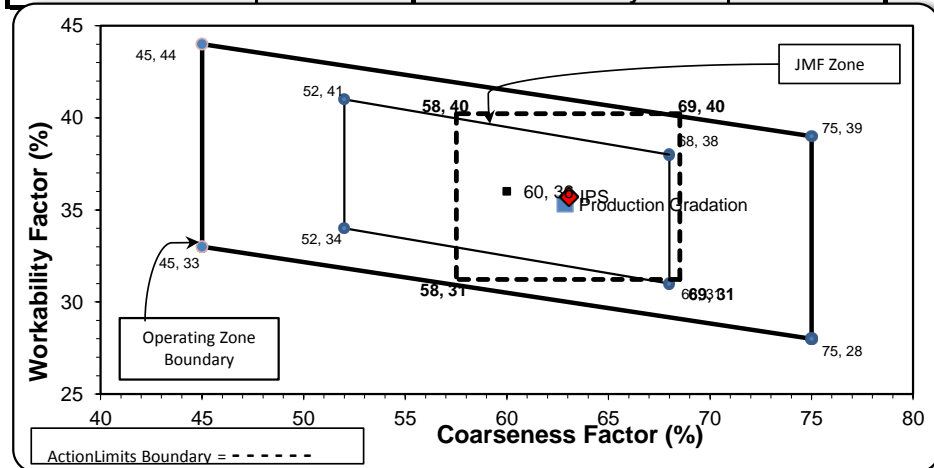
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Sieve	6AA	26A	2NS	Cumulative % Passing	% Retained	Cumulative % Retained
2"	100.0	100.0	100.0	100.0	0.0	0.0
1.5"	100.0	100.0	100.0	100.0	0.0	0.0
1"	99.9	100.0	100.0	100.0	0.0	0.0
3/4"	81.7	100.0	100.0	91.0	8.9	9.0
1/2"	43.9	100.0	100.0	72.5	18.5	27.5
3/8"	20.8	85.6	100.0	59.3	13.2	40.7
#4	5.3	23.6	99.6	43.7	15.6	56.3
#8	2.8	5.3	86.9	35.3	8.4	64.7
#16	1.8	2.2	67.1	26.9	8.5	73.1
#30	1.6	1.6	45.2	18.3	8.6	81.7
#50	1.5	1.5	14.7	6.6	11.7	93.4
#100	1.4	1.4	2.3	1.7	4.8	98.3
LBW	1.4	1.1	0.3	0.9	0.8	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.

Production Gradation Batch Plant Gradations Aggregate Supplier Gradations

Coarseness Factor:	63	Workability Factor:	35
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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: