

Aggregate Optimization Chart

MIX ID'S: DDS257E7 and DDS257E8

Production Gradation Report

PLANT #: **P-102**

Sample Date: 1/22/18

Concrete Grade: **S2M**

Contractor: _____

Dates Test Represents: 1/22/2018 to 1/28/2018

MDOT No.: _____

Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution
6AA	58-003	Stoneco	1650	9.83	2.69	52.2
26A	58-003	Stoneco	300	1.79	2.69	9.5
2NS	63-114	AA Highland	1210	7.32	2.65	38.3
Total Wt			3160	18.93		100.0

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



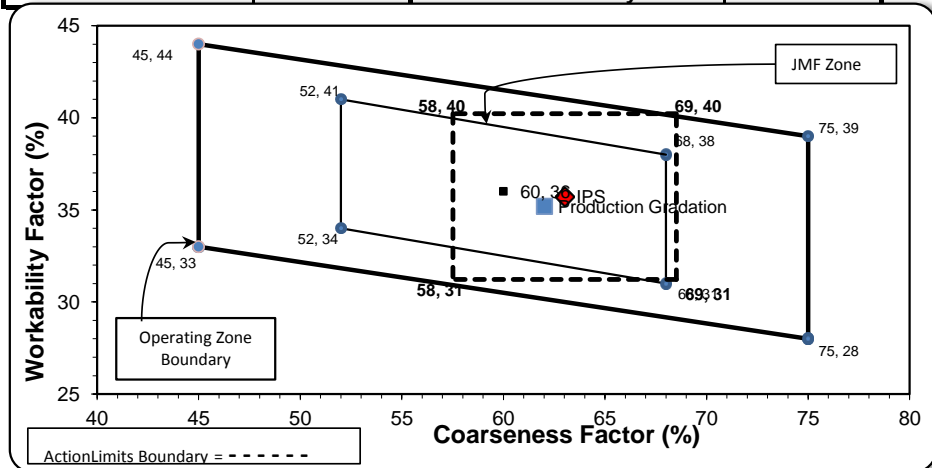
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Sieve	6AA	26A	2NS	Cumulative % Passing	% Retained	Cumulative % Retained
2"	100.0	100.0	100.0	100.0	0.0	0.0
1.5"	100.0	100.0	100.0	100.0	0.0	0.0
1"	100.0	100.0	100.0	100.0	0.0	0.0
3/4"	81.4	100.0	100.0	90.3	9.7	9.7
1/2"	43.0	99.6	100.0	70.2	20.1	29.8
3/8"	25.4	86.8	100.0	59.8	10.4	40.2
#4	6.5	12.7	99.6	42.7	17.1	57.3
#8	3.6	1.9	86.5	35.2	7.6	64.8
#16	2.1	0.8	68.2	27.3	7.9	72.7
#30	1.9	0.7	46.2	18.7	8.5	81.3
#50	1.8	0.6	12.9	5.9	12.8	94.1
#100	1.8	0.6	1.4	1.5	4.4	98.5
LBW	1.6	0.5	0.3	1.0	0.5	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.

Production Gradation Batch Plant Gradations Aggregate Supplier Gradations

Coarseness Factor:	62	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: