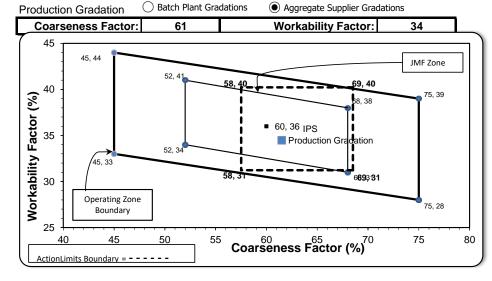
Aggregate Optimization Chart

PLANT #: Sample Date: Dates Test Represents:		P-102		3/25/2024	Concrete Grade:		Contractor:		
		3/18/24				S2M, 3500HP			
		3/19/2024	through				MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution			
6AA	58-003	Stoneco	1550	9.23	2.69	50.0			
26A	58-003	Stoneco	350	2.09	2.69	11.3			
2NS	63-114	Highland	1200	7.26	2.65	38.7			
		Total Wt	3100	18.58		100.0	< Verify this n	_	
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	1
3/4"	84.5		100.0		100.0	92.3	7.7	7.8	1
1/2"	43.8		97.8		100.0	71.7	20.6	28.3	
3/8"	23.9		80.1		100.0	59.7	11.9	40.3	*1
#4	4.2		9.2		99.2	41.5	18.2	58.5	*/
#8	2.2		2.8		85.4	34.5	7.1	65.5	no
#16	1.8		1.8		67.6	27.3	7.2	72.7	*0
#30	1.6		1.5		48.4	19.7	7.6	80.3	no
#50	1.5		1.3		21.0	9.0	10.7	91.0	*0
#100			1.2		4.1	2.4	6.6	97.6	a 1
LBW	LBW 1.1		1.3		0.8	1.0	1.4	99.0	



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Maximum % Retained must be above the 3/8" sieve.
Any two adjacent sieves must equal 10% except max.,
bm. max., #100 and #200 sieves.
% Retained must be at least 4% for each sieve except max.,
bm. max., #100 and #200 sieves.
% Retained must be at least 4% for the 3/4" sieve when
1.5" max. size (nom. Max. 1.0") aggregate is used.



Intial Producti	on Sample (IPS)	_	
Coars	eness Factor:	63		
Work	ability Factor:	36		
Sieve	Cumulative	%	Cumulative	
Sieve	% Passing	Retained	% Retained	
2"	2" 100.0		0.0	
1.5"	1.5" 100.0		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	#50 6.8		93.2	
#100	1.4	5.4	98.6	
LBW	0.6	0.8	99.4	

PREPARED BY: SM, LLC Technical Service

Approved By: Mart 1. Ball