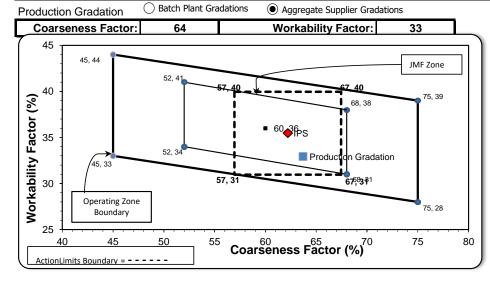
Aggregate Optimization Chart

PLANT #: Sample Date: Dates Test Represents:		p11		4/28/2025	Concrete Grade:		Contractor:		
		4/21/25				S2M, 3500HP			
		4/22/2025	through				MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution			
6AA	71-47	Presque Isle	1670	10.21	2.62	54.8			
26A	71-47	Presque Isle	150	0.92	2.62	4.9			
2NS	63-115	Ray Rd	1230	7.44	2.65	40.3			
		Total Wt	3050	18.57		100.0	< Verify this number is 100%		_
Sieve		6AA	26	Α	2NS	Cumulative % Passing	% Retained	Cumulative % Retained	
2"	1	100.0	100	0.0	100.0	100.0	0.0	0.0	1
1.5"	100.0		100.0		100.0	100.0	0.0	0.0	
1"	97.4		100.0 100.0		100.0	98.6	1.4	1.4	
3/4"	/4" 82.2				100.0	90.3	8.3	9.7	
1/2"	. 41.2		95.2		100.0	67.6	22.7	32.4	1
3/8"	23.5		83.0		100.0	57.3	10.3	42.7	*M
#4	3.0		21.0		97.7	42.1	15.2	57.9	*Ar
#8	1.8		6.6		78.4	32.9	9.1	67.1	nom
#16	1.6		4.2		62.0	26.1	6.8	73.9	*%
#30	1.5		3.5		46.6	19.8	6.3	80.2	nom
#50	#50 1.4		3.2		24.8	10.9	8.9	89.1	*%
#100 1.4		3.0		4.8	2.8	8.1	97.2	a 1.5	
LBW 1.2		2.4		0.7	1.1	1.8	98.9		



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Maximum % Retained must be above the 3/8" sieve. Any two adjacent sieves must equal 10% except max., om. max., #100 and #200 sieves. % Retained must be at least 4% for each sieve except max., om. 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 Production Sample (IPS)									
Coars	seness Factor:	62							
Worl	ability Factor:	35							
Sieve	Cumulative	%	Cumulative						
Sieve	% Passing	Retained	% Retained						
2"	100.0	0.0	0.0						
1.5"	100.0	0.0	0.0						
1"	100.0	0.0	0.0						
3/4"	94.0	6.0	6.0						
1/2"	70.2	23.7	29.8						
3/8"	59.9	10.4	40.1						
#4	42.7	17.2	57.3						
#8	35.5	7.2	64.5						
#16	28.4	7.0	71.6						
#30	19.2	9.2	80.8						
#50	8.9	10.3	91.1						
#100	3.1	5.9	96.9						
LBW	1.4	1.7	98.6						

Approved By: Mart P. Ball