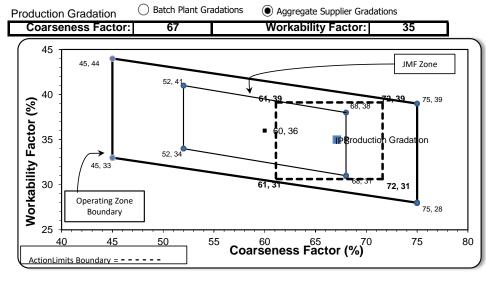
PLANT #: P-101		P-101					Contractor:			
Sample Date	:	8/15/22			Concrete Grade:	P1M, 3500HP				
Dates Test R	epresents:	8/16/2022	through	8/22/2022			MDOT No.:			
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution				
CA	71-47	Presque Isle	1070	6.54	2.62	34.9				
IA	71-47	Presque Isle	800	4.89	2.62	26.1				
2NS	75-051	Mid Michigan	1200	7.23	2.66	39.1				
		Total Wt	3070	18.67		100.0	< Verify this n	umber is 100%		
Sieve		CA IA		A	2NS	Cumulative % Passing	% Retained	Cumulative % Retained		
2"	1	100.0	100	0.0	100.0	100.0	0.0	0.0		
1.5"		98.7	100.0 100.0 98.5).0	100.0	99.5	0.5	0.5	
1"		47.5			0.0	100.0	81.7	17.8	18.3	
3/4"		12.4		98.5	100.0	69.1	12.6	30.9		
1/2"		3.0	83	.2	100.0	61.8	7.3	38.2		
3/8"		2.0	63	.7	100.0	56.4	5.4	43.6	*	
#4		1.6	17	.3	99.0	43.8	12.6	56.2	*	
#8		1.4	4.	5	85.3	35.0	8.8	65.0	no	
#16		1.4	2.	7	70.1	28.6	6.4	71.4	*	
#30		1.3	2.	3	53.2	21.8	6.7	78.2	no	
#50		1.2	2.	1	26.3	11.2	10.6	88.8	*	
#100		1.1	1.		6.8	3.5	7.7	96.5	a 2	
LBW		0.9	1.	7	1.0	1.1	2.4	98.9	1	



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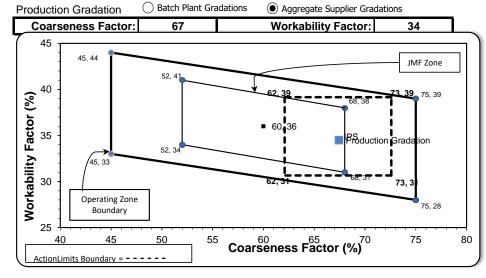
	ness Factor: pility Factor:	66	
Workab	vility Eactor:		
	mity racior.	35	
Sieve	Cumulative	%	Cumulative
Sieve	% Passing	Retained	% Retained
2"	100.0	0.0	0.0
1.5"	99.6	0.4	0.4
1"	84.3	15.3	15.7
3/4"	74.8	9.6	25.2
1/2"	64.3	10.4	35.7
3/8"	56.8	7.5	43.2
#4	43.0	13.8	57.0
#8	34.9	8.1	65.1
#16	26.4	8.5	73.6
#30	19.9	6.5	80.1
#50	10.4	9.5	89.6
#100	3.4	7.0	96.6
LBW	1.2	2.2	98.8

Approved By: Mart 1. Ball

PLANT #: P-102						Contractor:									
Sample Date	:	8/15/22			Concrete Grade:	P1M, 3500HP									
Dates Test R	epresents:	8/16/2022	through	8/22/2022			MDOT No.:								
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution									
CA	58-003	Stoneco	1370 8.16	2.69	43.9										
IA	58-003	Stoneco	550	3.28	2.69	17.6									
2NS	81-019	Pleasant Lake	1200	7.26	2.65	38.5									
		Total Wt	3120	18.70		100.0	< Verify this n	umber is 100%							
Sieve		CA	IA	A	2NS	Cumulative % Passing	% Retained	Cumulative % Retained							
2"		100.0	100	0.0	100.0	100.0	0.0	0.0							
1.5"	100.0		100	0.0	100.0	100.0	0.0	0.0							
1"		67.3	100	0.0	100.0	85.6	14.4	14.4							
3/4"		47.7	100	100	100	100	-	-	100	0.0	100.0	77.0	8.6	23.0	
1/2"		18.6	92	.8	100.0	63.0	14.0	37.0							
3/8"		8.1	78	.3	100.0	55.8	7.2	44.2	*						
#4		2.7	24	.0	99.3	43.6	12.2	56.4	*/						
#8		1.6	7.	3	84.5	34.5	9.1	65.5	no						
#16		1.2	4.	2	68.5	27.6	6.9	72.4	*0						
#30		1.1	2.	9	50.6	20.5	7.2	79.5	no						
#50		1.0	2.	5	26.2	11.0	9.5	89.0	*0						
#100		0.9	2.		7.6	3.7	7.2	96.3	a 2						
LBW		0.9	2.	0	1.4	1.3	2.4	98.7							



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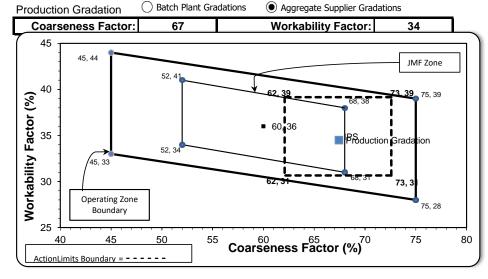
Intial Production Sample (IPS)									
Coars	eness Factor:	67							
Work	ability Factor:	35							
Sieve	Cumulative	%	Cumulative						
Sieve	% Passing	Retained	% Retained						
2"	100.0	0.0	0.0						
1.5"	100.0	0.0	0.0						
1"	85.5	14.5	14.5						
3/4"	73.4	12.1	26.6						
1/2"	61.0	12.4	39.0						
3/8"	56.2	4.8	43.8						
#4	43.1	13.1	56.9						
#8	34.9	8.2	65.1						
#16	29.4	5.5	70.6						
#30	21.6	7.8	78.4						
#50	8.1	13.4	91.9						
#100	#100 2.2		97.8						
LBW	1.4	0.8	98.6						

Approved By: Mart 1. Ball

PLANT #: P-103		P-103					Contractor:				
Sample Date	:	8/15/22			Concrete Grade:	P1M, 3500HP					
Dates Test R	epresents:	8/16/2022	through	8/22/2022			MDOT No.:				
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution					
CA	58-003	Stoneco	1370	8.16	2.69	43.9					
IA	58-003	Stoneco	550	3.28	2.69	17.6					
2NS	81-019	Pleasant Lake	1200	7.26	2.65	38.5					
		Total Wt	3120	18.70		100.0	< Verify this n	umber is 100%	_		
Sieve		CA	IA	A	2NS	Cumulative % Passing	% Retained	Cumulative % Retained			
2"	·	100.0	100	0.0	100.0	100.0	0.0	0.0			
1.5"	1	100.0	100 100 100	100	10	0.0	100.0	100.0	0.0	0.0	
1"		67.3			0.0	100.0	85.6	14.4	14.4		
3/4"		47.7			100			0.0	100.0	77.0	8.6
1/2"		18.6	92	.8	100.0	63.0	14.0	37.0			
3/8"		8.1	78	.3	100.0	55.8	7.2	44.2	*		
#4		2.7	24	.0	99.3	43.6	12.2	56.4	*		
#8		1.6	7.	3	84.5	34.5	9.1	65.5	no		
#16		1.2	4.	2	68.5	27.6	6.9	72.4	*		
#30		1.1	2.	9	50.6	20.5	7.2	79.5	nc		
#50		1.0	2.	5	26.2	11.0	9.5	89.0	*		
#100		0.9	2.		7.6	3.7	7.2	96.3	a 2		
LBW		0.9	2.	0	1.4	1.3	2.4	98.7			



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Intial Production	on Sample (IPS	5)	_
Coars	eness Factor:	67	
Work	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"	85.5	14.5	14.5
3/4"	73.4	12.1	26.6
1/2"	61.0	12.4	39.0
3/8"	56.2	4.8	43.8
#4	43.1	13.1	56.9
#8	34.9	8.2	65.1
#16	29.4	5.5	70.6
#30	21.6	7.8	78.4
#50	8.1	13.4	91.9
#100	2.2	5.9	97.8
LBW	1.4	0.8	98.6

Approved BY: Mart P. Ball

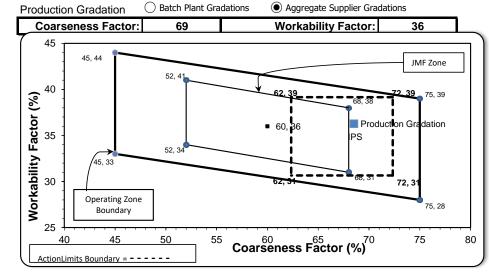
PLANT	#:	P-14					Contractor:		
Sample Date		8/15/22			Concrete Grade	P1M, 3500HP			
Dates Test R	epresents:	8/16/2022	through	8/22/2022			MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution			
CA	58-003	Stoneco	1350	8.04	2.69	43.1			Ę
IA	58-003	Stoneco	580	3.46	2.69	18.5			
2NS	19-55	Schlegel	1200	7.20	2.67	38.3			Bu
		Total Wt	3130	18.70		100.0	< Verify this n	umber is 100%	RE
Sieve		CA	I/	A	2NS	Cumulative % Passing	% Retained	Cumulative % Retained	Builders 30701 W
2"	1	00.0	100	0.0	100.0	100.0	0.0	0.0	Suite 500
1.5"	1	00.0	100	0.0	100.0	100.0	0.0	0.0	Farmingt
1"	6	67.3	100	0.0	100.0	85.9	14.1	14.1	1
3/4"	4	47.7	100	0.0	100.0	77.4	8.5	22.6	1
1/2"		18.6	92	.8	100.0	63.6	13.9	36.4]
3/8"		8.1	78	.3	100.0	56.3	7.2	43.7	*Maximum % Retained must be
#4		2.7	24	.0	99.9	43.9	12.4	56.1	*Any two adjacent sieves must
#8		1.6	7.	3	89.3	36.3	7.6	63.7	nom. max., #100 and #200 sieve
#16		1.2	4.	4.2		27.1	9.2	72.9	*% Retained must be at least 4
#30		1.1	2.	9	45.8	18.6	8.5	81.4	nom. max., #100 and #200 siev
#50		1.0	2.	5	17.0	7.4	11.2	92.6	*% Retained must be at least 8
#100		0.9	2.		2.8	1.9	5.5	98.1	a 2" max. size (nom. Max. 1.5")
LBW		0.9	2.	0	0.5	1.0	0.9	99.0]



Builders Redi-Mix

30701 W. 10 Mile Rd. Suite 500 Farmington Hills, MI 48336

*Maximum % Retained must be above the 3/8" sieve. *Any two adjacent sieves must equal 10% except max., bom. max., #100 and #200 sieves. *% Retained must be at least 4% for each sieve except max., bom. max., #100 and #200 sieves. *% Retained must be at least 8% for the 1" sieve when 2" max. size (nom. Max. 1.5") aggregate is used.



Intial Producti	on Sample (IPS	5)	_
Coars	eness Factor:	67	
Work	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"	85.5	14.5	14.5
3/4"	73.4	12.1	26.6
1/2"	61.0	12.4	39.0
3/8"	56.2	4.8	43.8
#4	43.1	13.1	56.9
#8	34.9	8.2	65.1
#16	29.4	5.5	70.6
#30	21.6	7.8	78.4
#50	8.1	13.4	91.9
#100	2.2	5.9	97.8
LBW	1.4	0.8	98.6

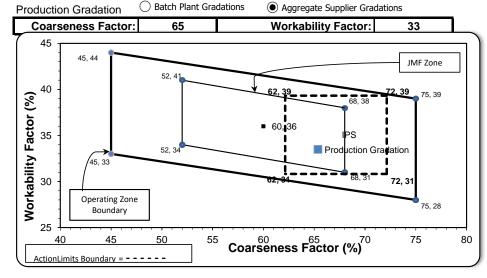
Approved By: Mary 1. Ball

PLANT #	#:	P-12					Contractor:						
Sample Date	:	8/15/22			Concrete Grade:	P1M, 3500HP							
Dates Test R	epresents:	8/16/2022	through	8/22/2022			MDOT No.:						
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution							
CA	71-47	Presque Isle	970	5.93	2.62	31.6							
IA	71-47	Presque Isle	850	5.20	2.62	27.7							
2NS	63-115	Ray Rd	1250	7.56	2.65	40.7							
		Total Wt	3070	18.69		100.0	< Verify this n	umber is 100%	_				
Sieve		CA	IA	N .	2NS	Cumulative % Passing	% Retained	Cumulative % Retained					
2"	1	00.0	100).0	100.0	100.0	0.0	0.0					
1.5"	1	00.0	100).0	100.0	100.0	0.0	0.0	1				
1"	:	33.0	100.0 98.2).0	100.0	78.8	21.2	21.2	1
3/4"		8.0						98	98	98	.2	100.0	70.4
1/2"		2.4	79	.1	100.0	63.4	7.1	36.6					
3/8"		2.2	54	.6	100.0	56.5	6.8	43.5	*N				
#4		1.8	14	.0	96.1	43.6	13.0	56.4	*/				
#8		1.7	5.	2	77.4	33.5	10.1	66.5	nor				
#16		1.6	3.	5	61.3	26.4	7.1	73.6	*9				
#30		1.5	3.	1	46.2	20.1	6.3	79.9	nor				
#50		1.5	2.	9	26.8	12.2	8.0	87.8	*%				
#100		1.4	2.		7.6	4.3	7.9	95.7	a 2'				
LBW		1.1	2.	2	1.1	1.4	2.9	98.6					



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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 8% for the 1" sieve when 2" max. size (nom. Max. 1.5") aggregate is used.



Intial Production Sample (IPS)									
Coars	seness Factor:	67							
Worl	kability Factor:	35							
Sieve	Cumulative	%	Cumulative						
Sieve	% Passing	Retained	% Retained						
2"	100.0	0.0	0.0						
1.5"	99.6	0.4	0.4						
1"	83.9	15.7	16.1						
3/4"	74.0	9.8	26.0						
1/2"	63.7	10.3	36.3						
3/8"	56.4	7.3	43.6						
#4	43.0	13.4	57.0						
#8	35.1	7.9	64.9						
#16	29.0	6.1	71.0						
#30	20.9	8.0	79.1						
#50	8.1	12.8	91.9						
#100	1.6	6.5	98.4						
LBW	0.9	0.8	99.1						

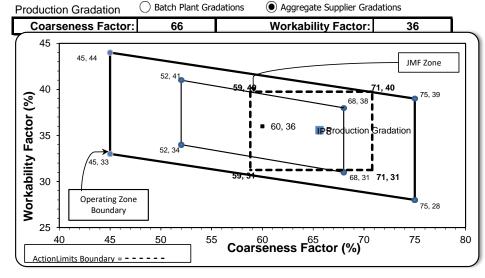
Approved By: Mart P. Ball

PLANT #: P		P-32					Contractor:			
Sample Date	:	8/15/22			Concrete Grade:	P1M, 3500HP				
Dates Test R		8/16/2022	through	8/22/2022			MDOT No.:			
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution				
CA	71-47	Presque Isle	900	5.50	2.62	29.3				
IA	71-47	Presque Isle	920	5.63	2.62	30.0				
2NS	95-013	Smelter Bay	1250	7.56	2.65	40.7				
		Total Wt			100.0	< Verify this number is 100%				
Sieve	Sieve CA IA		A	2NS	Cumulative % Passing	% Retained	Cumulative % Retained			
2"	1	00.0	100	0.0	100.0	100.0	0.0	0.0	1	
1.5"		100.0	100	100 100 98	0.0	100.0	100.0	0.0	0.0	
1"	:	33.0			0.0	100.0	80.4	19.6	19.6	
3/4"		8.0			5.2	100.0	72.5	7.9	27.5	
1/2"		2.4	79).1	100.0	65.1	7.4	34.9		
3/8"		2.2	54	.6	100.0	57.7	7.4	42.3	*N	
#4		1.8	14	.0	95.5	43.6	14.1	56.4	*/	
#8		1.7	5.	.2	82.3	35.6	8.0	64.4	nor	
#16		1.6	3.	.5	67.1	28.8	6.7	71.2	*9	
#30		1.5	3.	.1	48.8	21.2	7.6	78.8	nor	
#50		1.5	2.	9	24.7	11.4	9.9	88.6	*9	
#100		1.4	2.		8.0	4.5	6.9	95.5	a 2	
LBW		1.1	2.	2	1.4	1.6	2.9	98.4	1	



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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 8% for the 1" sieve when 2" max. size (nom. Max. 1.5") aggregate is used.



Intial Production	on Sample (IPS	5)	_
Coars	eness Factor:	65	
Work	ability Factor:	36	
Sieve	Cumulative	%	Cumulative
Sieve	% Passing	Retained	% Retained
2"	100.0	0.0	0.0
1.5"	99.0	0.6	0.6
1"	84.0	15.3	16.0
3/4"	73.5	10.5	26.5
1/2"	65.2	8.2	34.8
3/8"	58.2	7.1	41.8
#4	44.1	14.1	55.9
#8	35.5	8.6	64.5
#16	29.1	6.4	70.9
#30	21.9	7.3	78.1
#50	9.6	12.2	90.4
#100	2.6	7.1	97.4
LBW	1.0	1.6	99.0

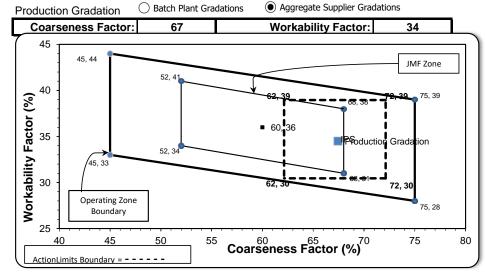
Approved By: Mart 1. Ball

PLANT #	#:	P-35					Contractor:		
Sample Date	:	8/15/22			Concrete Grade:	P1M, 3500HP			
Dates Test R	epresents:	8/16/2022	through	8/22/2022			MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution			
CA	58-003	Stoneco	1370	8.16	2.69	43.9			
IA	58-003	Stoneco	550	3.28	2.69	17.6			
2NS	81-019	Pleasant Lake	1200	7.26	2.65	38.5			
		Total Wt	3120	18.70		100.0	< Verify this n	umber is 100%	
Sieve		CA	1/	A	2NS	Cumulative % Passing	% Retained	Cumulative % Retained	
2"		100.0	100	0.0	100.0	100.0	0.0	0.0	1
1.5"	1	100.0	100	0.0	100.0	100.0	0.0	0.0	1
1"		67.3	100	0.0	100.0	85.6	14.4	14.4	1
3/4"		47.7	100	0.0	100.0	77.0	8.6	23.0	1
1/2"		18.6	92	8	100.0	63.0	14.0	37.0	
3/8"		8.1	78	.3	100.0	55.8	7.2	44.2	*
#4		2.7	24	.0	99.3	43.6	12.2	56.4	*/
#8		1.6	7.	3	84.5	34.5	9.1	65.5	nor
#16		1.2	4.	2	68.5	27.6	6.9	72.4	*0
#30		1.1	2.	9	50.6	20.5	7.2	79.5	noi
#50		1.0	2.	5	26.2	11.0	9.5	89.0	*9
#100		0.9	2.		7.6	3.7	7.2	96.3	a 2
LBW		0.9	2.	0	1.4	1.3	2.4	98.7	1



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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 8% for the 1" sieve when 2" max. size (nom. Max. 1.5") aggregate is used.



Intial Production	on Sample (IPS	5)	_
Coars	eness Factor:	67	
Work	ability Factor:	35	
Sieve	Cumulative	%	Cumulative
Sleve	% Passing	Retained	% Retained
2"	100.0	0.0	0.0
1.5"	100.0	0.0	0.0
1"	86.9	13.1	13.1
3/4"	76.1	10.8	23.9
1/2"	63.7	12.4	36.3
3/8"	56.2	7.5	43.8
#4	43.2	13.0	56.8
#8	34.7	8.5	65.3
#16	27.5	7.2	72.5
#30	20.6	7.0	79.4
#50	9.0	11.6	91.0
#100	2.1	6.9	97.9
LBW	1.0	1.1	99.0
	•	•	•

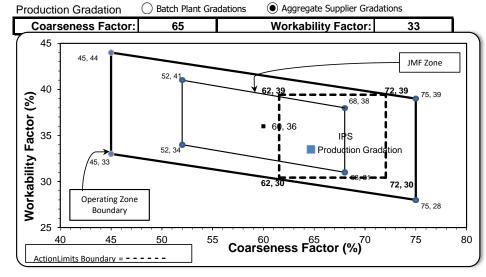
Approved By: Mart 1. Ball

PLANT #	#:	P-36					Contractor:		
Sample Date	:	8/15/22			Concrete Grade:	P1M, 3500HP			
Dates Test R	epresents:	8/16/2022	through	8/22/2022			MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution			
CA	71-47	Presque Isle	900	5.50	2.62	29.3			
IA	71-47	Presque Isle	970	5.93	2.62	31.6			
2NS	63-92	Grange Hall	1200	7.26	2.65	39.1			
		Total Wt	3070	18.70		100.0	< Verify this n	umber is 100%	_
Sieve		CA	1/	A	2NS	Cumulative % Passing	% Retained	Cumulative % Retained	
2"	1	100.0	100	0.0	100.0	100.0	0.0	0.0	
1.5"	1	100.0	100	0.0	100.0	100.0	0.0	0.0	
1"	:	33.0	100	0.0	100.0	80.4	19.6	19.6	
3/4"		8.0	98	.2	100.0	72.5	7.9	27.5	
1/2"		2.4	79	.1	100.0	64.8	7.7	35.2	
3/8"		2.2	54	.6	100.0	57.0	7.8	43.0	*N
#4		1.8	14	.0	97.0	42.9	14.1	57.1	*A
#8		1.7	5.	2	80.2	33.5	9.4	66.5	nor
#16		1.6	3.	5	63.8	26.5	7.0	73.5	*%
#30		1.5	3.	1	44.6	18.9	7.7	81.1	nor
#50		1.5	2.	9	19.0	8.8	10.1	91.2	*9
#100		1.4	2.		3.2	2.5	6.3	97.5	a 2
LBW		1.1	2.	2	0.7	1.3	1.2	98.7	1



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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 8% for the 1" sieve when 2" max. size (nom. Max. 1.5") aggregate is used.



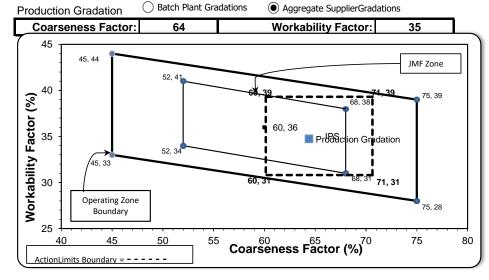
Intial Production	on Sample (IPS	5)	_
Coars	eness Factor:	67	
Work	ability Factor:	35	
Sieve	Cumulative	%	Cumulative
Sieve	% Passing	Retained	% Retained
2"	100.0	0.0	0.0
1.5"	100.0	0.0	0.0
1"	85.0	15.0	15.0
3/4"	72.1	12.9	27.9
1/2"	64.5	7.6	35.5
3/8"	56.5	8.0	43.5
#4	42.7	13.8	57.3
#8	34.9	7.8	65.1
#16	29.0	5.9	71.0
#30	21.0	8.0	79.0
#50	8.2	12.8	91.8
#100	1.6	6.5	98.4
LBW	0.7	0.9	99.3

Approved By: Mart 1. Ball

PLANT #	#:	P-39					Contractor:		
Sample Date	:	8/15/22			Concrete Grade:	P1M, 3500HP			
Dates Test R	epresents:	8/16/2022	through	8/22/2022			MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution			
CA	71-47	Presque Isle	1020	6.24	2.62	33.2			
IA	71-47	Presque Isle	800	4.89	2.62	26.1			
2NS	44-051	Krake Willis Rd	1250	7.56	2.65	40.7			
		Total Wt	3070	18.69		100.0	< Verify this n	umber is 100%	_
Sieve		CA	IA	A	2NS	Cumulative % Passing	% Retained	Cumulative % Retained	
2"	1	100.0	100).0	100.0	100.0	0.0	0.0	
1.5"		98.7	100).0	100.0	99.6	0.4	0.4	
1"		47.5	100	0.0	100.0	82.6	17.0	17.4	
3/4"		12.4	98	.5	100.0	70.5	12.1	29.5	1
1/2"		3.0	83	.2	100.0	63.4	7.1	36.6	
3/8"		2.0	63	.7	100.0	58.0	5.4	42.0	*
#4		1.6	17	.3	96.7	44.4	13.6	55.6	*
#8		1.4	4.	5	81.3	34.7	9.7	65.3	no
#16		1.4	2.	7	67.2	28.5	6.2	71.5	*
#30		1.3	2.	3	50.9	21.8	6.8	78.2	no
#50		1.2	2.	1	24.9	11.1	10.7	88.9	*(
#100		1.1	1.	9	7.3	3.8	7.3	96.2	a 2
LBW		0.9	1.	7	1.2	1.2	2.6	98.8	1



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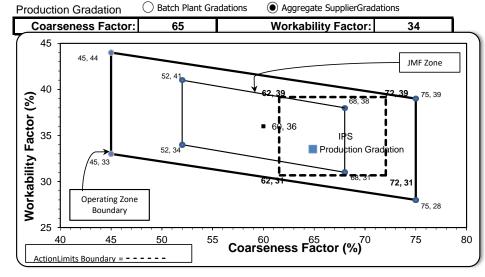
Intial Production Sample (IPS)								
Coars	eness Factor:	65						
Work	ability Factor:	35						
Sieve	Cumulative	%	Cumulative					
Sieve	% Passing	Retained	% Retained					
2"	100.0	0.0	0.0					
1.5"	99.6	0.4	0.4					
1"	83.9	15.7	16.1					
3/4"	74.1	9.8	25.9					
1/2"	64.3	9.7	35.7					
3/8"	57.5	6.8	42.5					
#4	44.5	13.1	55.5					
#8	35.1	9.4	64.9					
#16	27.9	7.2	72.1					
#30	21.7	6.2	78.3					
#50	12.6	9.1	87.4					
#100	3.5	9.1	96.5					
LBW	1.2	2.4	98.8					

Approved By: Mart P. Ball

PLANT :	#:	P-O2					Contractor:		
Sample Date	:	8/15/22			Concrete Grade:	P1M, 3500HP			
Dates Test R		8/16/2022	through	8/22/2022			MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution			
CA	71-47	Presque Isle	950	5.81	2.62	30.9			
IA	71-47	Presque Isle	870	5.32	2.62	28.3			
2NS	63-115	Ray Rd	1250	7.56	2.65	40.7			
		Total Wt	3070	18.69		100.0	< Verify this n	umber is 100%	_
Sieve		CA	IJ	4	2NS	Cumulative % Passing	% Retained	Cumulative % Retained	
2"	1	00.0	100	0.0	100.0	100.0	0.0	0.0	
1.5"	1	00.0	10	0.0	100.0	100.0	0.0	0.0	
1"	:	33.0	10	0.0	100.0	79.3	20.7	20.7	
3/4"		8.0	98	3.2	100.0	71.0	8.2	29.0	
1/2"		2.4	79	9.1	100.0	63.9	7.1	36.1	
3/8"		2.2	54	.6	100.0	56.9	7.0	43.1	*
#4		1.8	14	.0	96.1	43.7	13.2	56.3	*
#8		1.7	5.	.2	77.4	33.5	10.1	66.5	nc
#16		1.6	3.	.5	61.3	26.4	7.1	73.6	*
#30		1.5	3.	.1	46.2	20.2	6.3	79.8	nc
#50		1.5	2.	.9	26.8	12.2	8.0	87.8	*
#100		1.4	2.	.7	7.6	4.3	7.9	95.7	a :
LBW		1.1	2.	.2	1.1	1.4	2.9	98.6	1



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Intial Production Sample (IPS)								
Coars	eness Factor:	67						
Work	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"	85.0	15.0	15.0					
3/4"	72.3	12.7	27.7					
1/2"	64.5	7.8	35.5					
3/8"	56.5	8.0	43.5					
#4	42.7	13.8	57.3					
#8	34.9	7.8	65.1					
#16	29.0	5.9	71.0					
#30	21.0	8.0	79.0					
#50	8.2	12.8	91.8					
#100	1.6	6.5	98.4					
LBW	0.7	0.9	99.3					

Approved By: North Ball