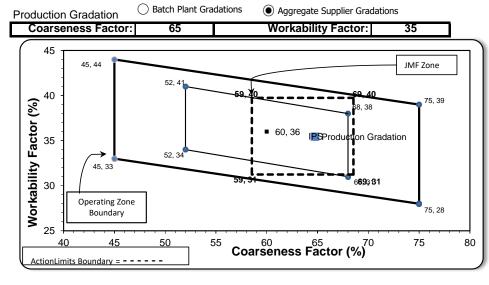
PLANT #	#:	P-101					Contractor:					
Sample Date	:	10/31/22			Concrete Grade:	S2M, 3500HP						
Dates Test Represents:		11/1/2022	through	11/7/2022			MDOT No.:					
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution						
6AA	71-47	Presque Isle	1570	9.60	2.62	51.4						
26A	71-47	Presque Isle	255	1.56	2.62	8.3						
2NS	75-051	Mid Michigan	1230	7.41	2.66	40.3						
		Total Wt 3055 18.57 100.0	100.0	< Verify this n	umber is 100%	_						
Sieve		6AA	26	6A	2NS	Cumulative % Passing	% Retained	Cumulative % Retained				
2"	1	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"		98.4	100.0 100.0		100.0	99.2	0.8	0.8				
3/4"		80.4			100	-	-	-	0.0	100.0	89.9	9.3
1/2"		39.0	96	6.7	100.0	68.4	21.6	31.6				
3/8"	:	21.1	85	5.0	100.0	58.2	10.2	41.8	*			
#4		3.6	17	7.3	98.8	43.1	15.1	56.9	*			
#8		1.9	4.	.8	84.6	35.4	7.6	64.6	no			
#16		1.7	3.	.0	69.6	29.1	6.3	70.9	*			
#30		1.6	2.6		52.2	22.1	7.1	77.9	no			
#50		1.6	2.	.4	23.2	10.4	11.7	89.6	*(
#100		1.5		.2	5.2	3.0	7.3	97.0	a 2			
LBW		1.3	2.	.0	0.8	1.2	1.9	98.8				



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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.



Initial Producti	on Sample (IPS	6)	_
Coars	eness Factor:	64	
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"	100.0	0.0	0.0
3/4"	93.9	6.1	6.1
1/2"	71.4	22.5	28.6
3/8"	59.0	12.4	41.0
#4	45.1	13.9	54.9
#8	35.5	9.6	64.5
#16	28.3	7.2	71.7
#30	21.3	6.9	78.7
#50	11.0	10.3	89.0
#100	3.4	7.6	96.6
LBW	1.1	2.3	98.9

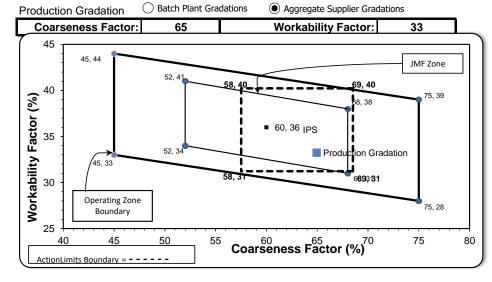
Approved By: Mart 1. Ball

PLANT #	#:	P-102					Contractor:			
Sample Date	:	10/31/22			Concrete Grade:	S2M, 3500HP				
Dates Test R	epresents:	11/1/2022	through	11/7/2022			MDOT No.:			
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution				
6AA	58-003	Stoneco	1650	9.83	2.69	53.2				
26A	58-003	Stoneco	250	1.49	2.69	8.1				
2NS	81-019	Pleasant Lake	1200	7.26	2.65	38.7				
		Total Wt 3100 18.58				100.0	< Verify this n	umber is 100%	_	
Sieve		6AA	26	Α	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	0.0	100.0	100.0	0.0	0.0	1	
1"	1	100.0	100	0.0	100.0	100.0	0.0	0.0		
3/4"		84.7	10	100	0.0	100.0	91.9	8.1	8.1	1
1/2"		42.3	98	.9	100.0	69.2	22.7	30.8		
3/8"		21.0	83	.8	100.0	56.6	12.6	43.4	*	
#4		2.7	5.	3	98.0	39.8	16.8	60.2	*	
#8		1.1	1.	2	84.1	33.2	6.6	66.8	no	
#16		1.2	0.	9	67.4	26.8	6.4	73.2	*	
#30		1.1	0.7		49.3	19.7	7.1	80.3	nc	
#50		1.0	0.	0.7		10.3	9.4	89.7	*	
#100		1.0		0.6		3.4	6.9	96.6	a 2	
LBW		0.6	0.	7	1.4	0.9	2.5	99.1	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 Sample (IPS)									
Coars	seness Factor:	63							
Work	ability Factor:	36							
Sieve	Cumulative	%	Cumulative						
Sieve	% Passing	Retained	% 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"	3/4" 90.9		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						

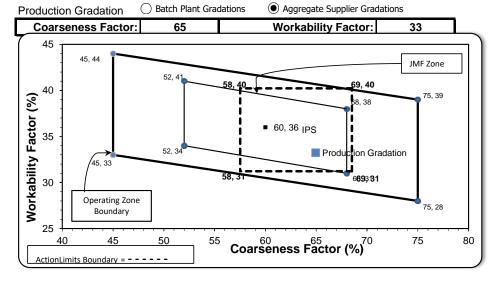
Approved By: Mart P. Ball

PLANT #: P-103						Contractor:			
Sample Date	e:	10/31/22			Concrete Grade:	S2M, 3500HP			
Dates Test F	Represents:	11/1/2022	through	11/7/2022			MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution			
6AA	58-003	Stoneco	1650	9.83	2.69	53.2			
26A	58-003	Stoneco	250	1.49	2.69	8.1			
2NS	81-019	Pleasant Lake	1200	7.26	2.65	38.7			
		Total Wt	3100	18.58		100.0	< Verify this number is 100%		
Sieve		6AA	26	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"	1	100.0	100	0.0	100.0	100.0	0.0	0.0	
3/4"		84.7	100	0.0	100.0	91.9	8.1	8.1	
1/2"		42.3	98	.9	100.0	69.2	22.7	30.8	
3/8"		21.0	83	.8	100.0	56.6	12.6	43.4	*Ma
#4		2.7	5.	3	98.0	39.8	16.8	60.2	*Ar
#8		1.1	1.	2	84.1	33.2	6.6	66.8	nom
#16		1.2	0.9		67.4	26.8	6.4	73.2	*%
#30		1.1	0.7		49.3	19.7	7.1	80.3	nom
#50		1.0	0.	0.7		10.3	9.4	89.7	*%
#100		1.0	0.	6	7.4	3.4	6.9	96.6	a 2" i
LBW		0.6	0.	7	1.4	0.9	2.5	99.1	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 Sample (IPS)									
Coars	eness Factor:	63							
Work	ability Factor:	36							
Sieve	Cumulative	%	Cumulative						
Sieve	% Passing	Retained	% 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						

Approved BY: Marthe Ball

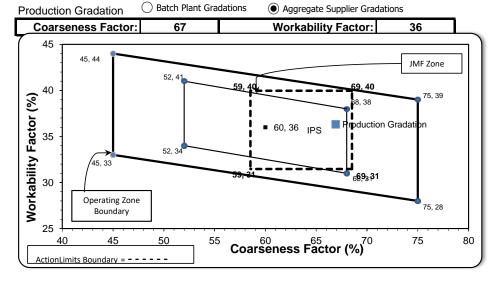
PLANT :	#:	P-14					Contractor:		
Sample Date): -	10/31/22			Concrete Grade	S2M, 3500HP			
Dates Test R	Represents:	11/1/2022	through	11/7/2022			MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution			
6AA	58-003	Stoneco	1620	9.65	2.69	52.1			
26A	58-003	Stoneco	280	1.67	2.69	9.0			
2NS	19-55	Schlegel	1210	7.26	2.67	38.9			
		Total Wt	3110	18.58		100.0	< Verify this n	umber is 100%	
Sieve	e	6AA	26	A	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	100	0.0	100.0	100.0	0.0	0.0	
1"	1	00.0	100	0.0	100.0	100.0	0.0	0.0	
3/4"	8	34.7	100	0.0	100.0	92.0	8.0	8.0	
1/2"	2	42.3	98	.9	100.0	69.8	22.2	30.2	
3/8"	2	21.0	83	.8	100.0	57.4	12.5	42.6	*Maximum %
#4		2.7	5.	3	100.0	40.8	16.6	59.2	*Any two adja
#8		1.1	1.	2	91.6	36.3	4.5	63.7	nom. max., #1
#16		1.2	0.9		74.0	29.5	6.8	70.5	*% Retained
#30		1.1	0.	7	53.6	21.5	8.0	78.5	nom. max., #1
#50		1.0	0.	7	19.0	8.0	13.5	92.0	*% Retained
#100		1.0	0.		3.8	2.1	5.9	97.9	a 2" max. size
LBW		0.6	0.	7	0.4	0.5	1.5	99.5	



Builders Redi-Mix

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*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 Production	on Sample (IPS	5)	_
Coars	eness Factor:	64	
Work	ability Factor:	36	
Sieve	Cumulative	%	Cumulative
Sieve	% Passing	Retained	% 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"	59.2	12.1	40.8
#4	41.5	17.7	58.5
#8	35.7	5.8	64.3
#16	27.9	7.9	72.1
#30	18.3	9.5	81.7
#50	7.3	11.0	92.7
#100	2.0	5.3	98.0
LBW	0.9	1.1	99.1

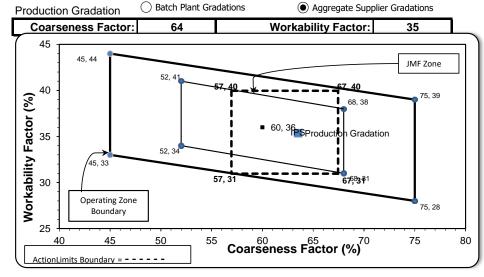
Approved By: Mart P. Ball

PLANT :	#:	11					Contractor:		
Sample Date):	10/31/22			Concrete Grade:	S2M, 3500HP			
Dates Test R	epresents:	11/1/2022	through	11/7/2022			MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution			
6AA	71-47	Presque Isle	1420	8.69	2.62	46.6			
26A	71-47	Presque Isle	400	2.45	2.62	13.1			
2NS	95-013	Smelter Bay	1230	7.44	2.65	40.3			
		Total Wt	3050	18.57		100.0	< Verify this n	umber is 100%	
Sieve		6AA	26	6A	2NS	Cumulative % Passing	% Retained	Cumulative % Retained	
2"	1	00.0	10	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"		96.5	10	0.0	100.0	98.4	1.6	1.6	
3/4"		70.3	10	0.0	100.0	86.2	12.2	13.8	
1/2"		31.4	97	7.8	100.0	67.8	18.4	32.2	
3/8"		15.4	87	7.3	100.0	58.9	8.8	41.1	*Maxim
#4		3.1	24	1.8	96.1	43.5	15.5	56.5	*Any tw
#8		1.9	5	.8	83.6	35.4	8.1	64.6	nom. max
#16		1.7	2.4		68.6	28.8	6.6	71.2	*% Reta
#30		1.6	2.0		49.1	20.8	8.0	79.2	nom. max
#50		1.6	1	.8	24.0	10.7	10.1	89.3	*% Reta
#100		1.5		.8	7.1	3.8	6.9	96.2	a 2" max.
LBW		1.2	1	.6	1.4	1.3	2.5	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 Sample (IPS)									
Coars	eness Factor:	62							
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"	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						

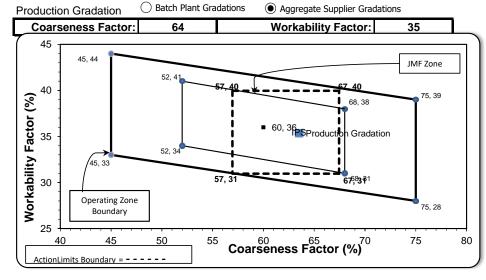
Approved By: Mart 1. Ball

PLANT #	#:	P-32					Contractor:									
Sample Date	:	10/31/22			Concrete Grade:	S2M, 3500HP										
Dates Test R	epresents:	11/1/2022	through	11/7/2022			MDOT No.:									
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific	%										
			_		Gravity	Contribution										
6AA	71-47	Presque Isle	1420	8.69	2.62	46.6										
26A	71-47	Presque Isle	400	2.45	2.62	13.1										
2NS	95-013	Smelter Bay	1230	7.44	2.65	40.3										
		Total Wt	3050	18.57		100.0	< Verify this no	umber is 100%	_							
Sieve		6AA	26	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"	1	00.0	100	0.0	100.0	100.0	0.0	0.0	1							
1"	1	96.5	100	0.0	100.0	98.4	1.6	1.6	1							
3/4"		70.3	10	10	100	10	100	100	100	10).0	100.0	86.2	12.2	13.8	
1/2"	31.4		97	.8	100.0	67.8	18.4	32.2	1							
3/8"		15.4	87	.3	100.0	58.9	8.8	41.1	*							
#4	4 3.1		24	.8	96.1	43.5	15.5	56.5	*							
#8		1.9	5.	8	83.6	35.4	8.1	64.6	no							
#16	1.7		2.	4	68.6	28.8	6.6	71.2	*							
#30		1.6	2.0		49.1	20.8	8.0	79.2	no							
#50		1.6	1.	8	24.0	10.7	10.1	89.3	*							
#100		1.5	1.	8	7.1	3.8	6.9	96.2	a 2							
LBW		1.2	1.	6	1.4	1.3	2.5	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., im. max., #100 and #200 sieves. % Retained must be at least 4% for each sieve except max., im. 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:	62	
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"	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

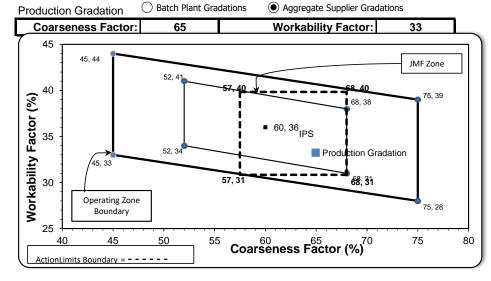


PLANT #	#:	P-35					Contractor:		
Sample Date	:	10/31/22			Concrete Grade:	S2M, 3500HP			
Dates Test R	epresents:	11/1/2022	through	11/7/2022			MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution			
6AA	58-003	Stoneco	1650	9.83	2.69	53.2			
26A	58-003	Stoneco	250	1.49	2.69	8.1			
2NS	81-019	Pleasant Lake	1200	7.26	2.65	38.7			
		Total Wt	3100	18.58		100.0	< Verify this n	umber is 100%	_
Sieve		6AA	26	A	2NS	Cumulative % Passing	% Retained	Cumulative % Retained	
2"		100.0	100).0	100.0	100.0	0.0	0.0	
1.5"	1	100.0	100).0	100.0	100.0	0.0	0.0	
1"	1	100.0	100).0	100.0	100.0	0.0	0.0	
3/4"		84.7	100).0	100.0	91.9	8.1	8.1	1
1/2"		42.3	98	.9	100.0	69.2	22.7	30.8	
3/8"		21.0	83	.8	100.0	56.6	12.6	43.4	*N
#4		2.7	5.	3	98.0	39.8	16.8	60.2	*/
#8		1.1	1.	2	84.1	33.2	6.6	66.8	nor
#16		1.2	0.	9	67.4	26.8	6.4	73.2	*9
#30		1.1	0.	7	49.3	19.7	7.1	80.3	nor
#50		1.0	0.	7	25.1	10.3	9.4	89.7	*%
#100		1.0	0.		7.4	3.4	6.9	96.6	a 2
LBW		0.6	0.	7	1.4	0.9	2.5	99.1	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.



Coarseness Factor: Workability Factor: Sieve Cumulative % Passing 2" 100.0 1.5" 100.0 1" 99.2 3/4" 90.9 1/2" 71.3		Cumulative % Retained 0.0
Sieve Cumulative % Passing 2" 100.0 1.5" 100.0 1" 99.2 3/4" 90.9 1/2" 71.3	% Retained 0.0	% Retained
Sieve % Passing 2" 100.0 1.5" 100.0 1" 99.2 3/4" 90.9 1/2" 71.3	Retained 0.0	% Retained
% Passing 2" 100.0 1.5" 100.0 1" 99.2 3/4" 90.9 1/2" 71.3	0.0	
1.5" 100.0 1" 99.2 3/4" 90.9 1/2" 71.3		0.0
1" 99.2 3/4" 90.9 1/2" 71.3	0.0	
3/4" 90.9 1/2" 71.3		0.0
1/2" 71.3	0.8	0.8
· · · · · · · · · · · · · · · · · · ·	8.3	9.1
	19.6	28.7
3/8" 59.4	11.9	40.6
#4 43.0	16.5	57.0
#8 35.3	7.6	64.7
#16 28.2	7.1	71.8
#30 21.6	6.6	78.4
#50 9.1	12.5	90.9
#100 1.7	7.4	98.3
LBW 1.1	0.6	98.9

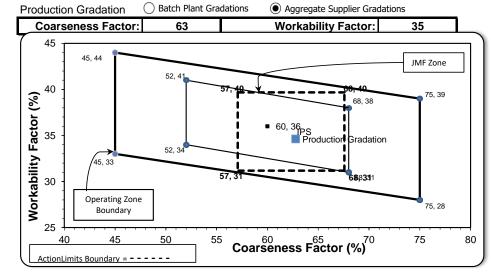
Approved By: Mart P. Ball

PLANT #	#:	P-36					Contractor:		
Sample Date:	:	10/31/22			Concrete Grade:	S2M, 3500HP			
Dates Test R	epresents:	11/1/2022	through	11/7/2022			MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution			
6AA	71-47	Presque Isle	1550	9.48	2.62	50.8			
26A	71-47	Presque Isle	300	1.83	2.62	9.8			
2NS	63-92	Grange Hall	1200	7.26	2.65	39.3			
		Total Wt	3050	18.57		100.0	< Verify this n	umber is 100%	
Sieve		6AA	26	A	2NS	Cumulative % Passing	% Retained	Cumulative % Retained	
2"	1	100.0	100).0	100.0	100.0	0.0	0.0	1
1.5"	1	100.0	100).0	100.0	100.0	0.0	0.0	1
1"	1	99.2	100).0	100.0	99.6	0.4	0.4	
3/4"		84.8	100).0	100.0	92.3	7.3	7.7	
1/2"		41.3	97	.8	100.0	70.0	22.3	30.0	
3/8"	:	21.7	87	.3	100.0	59.0	11.0	41.0	1
#4		3.7	24	.8	97.6	42.7	16.2	57.3	
#8		1.9	5.	8	84.1	34.6	8.1	65.4	
#16		1.7	2.	4	69.3	28.4	6.3	71.6	
#30		1.6	2.	0	49.4	20.4	7.9	79.6	
#50		1.6	1.	8	21.0	9.3	11.2	90.7	
#100		1.5	1.		3.4	2.3	7.0	97.7	-
LBW		1.3	1.	6	0.5	1.0	1.3	99.0	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 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"	99.1	0.9	0.9					
3/4"	90.5	8.6	9.5					
1/2"	69.8	20.7	30.2					
3/8"	59.8	10.0	40.2					
#4	42.2	17.6	57.8					
#8	35.4	6.7	64.6					
#16	28.8	6.7	71.2					
#30	21.4	7.4	78.6					
#50	8.8	12.6	91.2					
#100	1.8	7.0	98.2					
LBW	0.7	1.0	99.3					

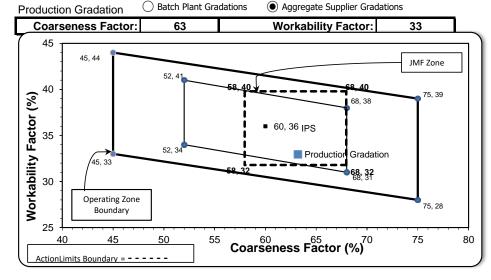
Approved By: Mart 1. Ball

PLANT #	#:	P-39					Contractor:		
Sample Date):	10/31/22			Concrete Grade:	S2M, 3500HP			
Dates Test R	epresents:	11/1/2022	through	11/7/2022			MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution			
6AA	71-47	Presque Isle	1600	9.79	2.62	52.5			
26A	71-47	Presque Isle	200	1.22	2.62	6.6			
2NS	44-051	Krake Willis Rd	1250	7.56	2.65	41.0			
		Total Wt	3050	18.57		100.0	< Verify this n	umber is 100%	_
Sieve		6AA	26	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	100.0	100.0	0.0	0.0	
1"		98.4	100).0	100.0	99.2	0.8	0.8	
3/4"		80.4	100).0	100.0	89.7	9.4	10.3	1
1/2"		39.0	96	.7	100.0	67.8	21.9	32.2	
3/8"		21.1	85	.0	100.0	57.6	10.2	42.4	*M
#4		3.6	17	.3	95.8	42.3	15.3	57.7	*Ar
#8		1.9	4.	8	77.2	33.0	9.3	67.0	nom
#16		1.7	3.	0	61.8	26.4	6.5	73.6	*%
#30		1.6	2.	6	47.0	20.3	6.1	79.7	nom
#50		1.6	2.4	4	25.8	11.6	8.7	88.4	*%
#100		1.5	2.		8.0	4.2	7.4	95.8	a 2"
LBW		1.3	2.	0	1.0	1.2	3.0	98.8	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 Producti	on Sample (IPS	5)	_
Coars	seness Factor:	63	
Work	ability Factor:	36	
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"	89.8	10.2	10.2
1/2"	70.7	19.1	29.3
3/8"	59.6	11.1	40.4
#4	43.2	16.4	56.8
#8	35.8	7.4	64.2
#16	29.2	6.6	70.8
#30	21.4	7.8	78.6
#50	9.8	11.6	90.2
#100	3.7	6.1	96.3
LBW	1.2	2.5	98.8

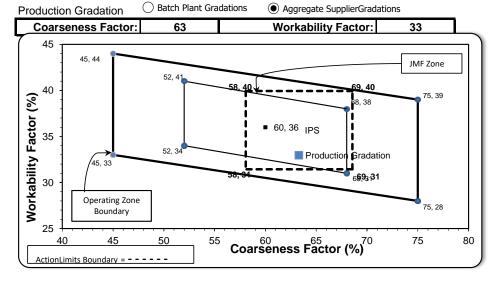
Approved By: Mart 1. Ball

PLANT #	#:	P-O2					Contractor:		
Sample Date	:	10/31/22			Concrete Grade:	S2M, 3500HP			
Dates Test R		11/1/2022	through	11/7/2022			MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution			
6AA	71-47	Presque Isle	1620	9.91	2.62	53.1			
26A	71-47	Presque Isle	200	1.22	2.62	6.6			
2NS	63-115	Ray Rd	1230	7.44	2.65	40.3			
		Total Wt	3050	18.57		100.0	< Verify this n	umber 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	
1.5"	1	100.0	100	0.0	100.0	100.0	0.0	0.0	
1"	9	99.2	100	0.0	100.0	99.6	0.4	0.4	
3/4"	1	84.8	100	0.0	100.0	91.9	7.6	8.1	
1/2"		41.3	97	.8	100.0	68.7	23.2	31.3	1
3/8"	:	21.7	87	.3	100.0	57.6	11.1	42.4	,
#4		3.7	24	.8	96.5	42.5	15.1	57.5	*
#8		1.9	5.	8	78.3	33.0	9.5	67.0	nc
#16		1.7	2.	4	62.2	26.1	6.8	73.9	*
#30		1.6	2.	0	47.6	20.2	6.0	79.8	nc
#50		1.6	1.	8	26.8	11.8	8.4	88.2	*
#100		1.5	1.	8	6.1	3.4	8.4	96.6	a :
LBW		1.3	1.	6	0.9	1.2	2.2	98.8	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.



	ness Factor:		
	ness i uotor.	63	
Worka	bility Factor:	36	
Sieve	Cumulative	%	Cumulative
Sleve	% 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"	95.6	4.4	4.4
1/2"	73.1	22.6	26.9
3/8"	59.3	13.8	40.7
#4	42.8	16.5	57.2
#8	35.7	7.1	64.3
#16	28.9	6.8	71.1
#30	20.7	8.2	79.3
#50	9.9	10.8	90.1
#100	2.1	7.8	97.9
LBW	0.9	1.2	99.1

Approved By: Mart P. Ball