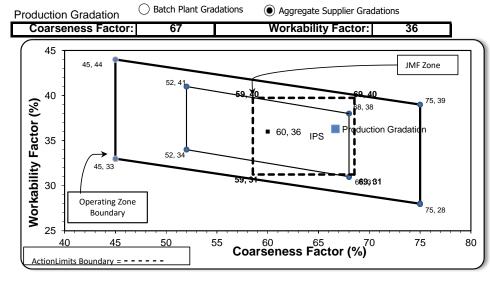
PLANT #: P-101		P-101					Contractor:		
Sample Date	:	9/19/22			Concrete Grade:	S2M, 3500HP			
Dates Test R	epresents:	9/20/2022	through	9/26/2022			MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution			
6AA	71-47	Presque Isle	1625	9.94	2.62	53.2			
26A	71-47	Presque Isle	200	1.22	2.62	6.5			
2NS	75-051	Mid Michigan	1230	7.41	2.66	40.3			
		Total Wt	3055	18.57		100.0	< Verify this n	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	99.0	100	0.0	100.0	99.5	0.5	0.5	1
3/4"		87.0	100	0.0	100.0	93.1	6.4	6.9	
1/2"		42.3	95	5.8	100.0	69.0	24.1	31.0	
3/8"	:	22.3	82	2.7	100.0	57.5	11.5	42.5	*1
#4		3.1	23	5.3	99.1	43.1	14.5	56.9	*/
#8		1.8	6.	.7	86.7	36.3	6.8	63.7	noi
#16		1.6	3.	3.1		30.0	6.3	70.0	*0
#30		1.5	2.	.5	53.6	22.5	7.4	77.5	no
#50		1.4	2.	3	22.9	10.1	12.4	89.9	*0
#100		1.3	2.		5.2	2.9	7.2	97.1	a 2
LBW		1.2	1.	.8	1.0	1.2	1.8	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.



Initial Product	ion Sample (IPS	5)	_
Coars	eness Factor:	64	
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"	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

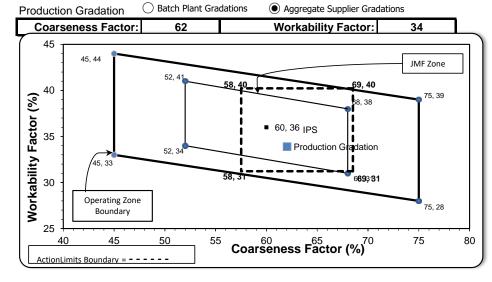
Approved By: Mart 1. Ball

PLANT :	PLANT #: P-102						Contractor:		
Sample Date):	9/19/22			Concrete Grade:	S2M, 3500HP			
Dates Test R	epresents:	9/20/2022	through	9/26/2022			MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution			
6AA	58-003	Stoneco	1600	9.53	2.69	51.6			
26A	58-003	Stoneco	300	1.79	2.69	9.7			
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	0.0	100.0	100.0	0.0	0.0	1
1.5"		100.0	100	0.0	100.0	100.0	0.0	0.0	
1"		100.0	100	0.0	100.0	100.0	0.0	0.0	
3/4"		86.8	100	0.0	100.0	93.2	6.8	6.8	
1/2"		51.0	99	.4	100.0	74.7	18.5	25.3	
3/8"		24.3	80	0.0	100.0	59.0	15.7	41.0	*M
#4		4.4	12	2.6	99.1	41.9	17.1	58.1	*A
#8		1.6	4.	.9	84.2	33.9	8.0	66.1	nom
#16		1.6	3.	.4	66.5	26.9	7.0	73.1	*%
#30		1.5	2.	.8	46.6	19.1	7.8	80.9	nom
#50		1.4	2.	.6	22.0	9.5	9.6	90.5	*%
#100		1.2	2.	.4	8.6	4.2	5.3	95.8	a 2"
LBW		0.8	2.	.2	1.1	1.1	3.1	98.9	1



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



2" 100.0 0.0 0 1.5" 100.0 0.0 0 1.5" 100.0 0.0 0 1" 99.2 0.8 0 3/4" 90.9 8.3 9 1/2" 71.3 19.6 28 3/8" 59.5 11.8 40 #4 43.8 15.7 56	1
Sieve Cumulative % Passing % Retained Cumu % Retained 2" 100.0 0.0 0 1.5" 100.0 0.0 0 1" 99.2 0.8 0 3/4" 90.9 8.3 9 1/2" 71.3 19.6 28 3/8" 59.5 11.8 40 #4 43.8 15.7 56	1
Sieve % Passing Retained % Ret 2" 100.0 0.0 0 1.5" 100.0 0.0 0 1" 99.2 0.8 0 3/4" 90.9 8.3 9 1/2" 71.3 19.6 26 3/8" 59.5 11.8 40 #4 43.8 15.7 56	lath
% Passing Retained % Ret 2" 100.0 0.0 0 1.5" 100.0 0.0 0 1" 99.2 0.8 0 3/4" 90.9 8.3 9 1/2" 71.3 19.6 28 3/8" 59.5 11.8 40 #4 43.8 15.7 56	lative
1.5" 100.0 0.0 0 1" 99.2 0.8 0 3/4" 90.9 8.3 9 1/2" 71.3 19.6 28 3/8" 59.5 11.8 40 #4 43.8 15.7 56	ained
1" 99.2 0.8 0 3/4" 90.9 8.3 9 1/2" 71.3 19.6 28 3/8" 59.5 11.8 40 #4 43.8 15.7 56	.0
3/4" 90.9 8.3 9 1/2" 71.3 19.6 26 3/8" 59.5 11.8 40 #4 43.8 15.7 56	.0
1/2" 71.3 19.6 28 3/8" 59.5 11.8 40 #4 43.8 15.7 56	.8
3/8" 59.5 11.8 40 #4 43.8 15.7 56	.1
#4 43.8 15.7 56	8.7
).5
	5.2
#8 35.7 8.1 64	.3
#16 27.0 8.7 73	3.0
#30 18.6 8.4 81	.4
#50 6.8 11.8 93	3.2
#100 1.4 5.4 98	
LBW 0.6 0.8 99	8.6

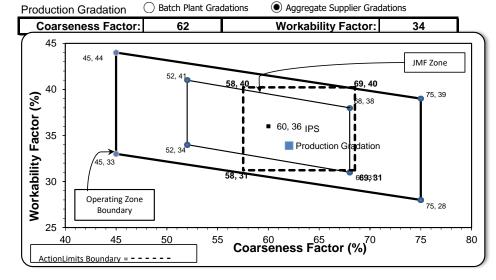
Approved By: Nat 1. Ball

PLANT #: P-103		P-103					Contractor:		
Sample Date	e:	9/19/22			Concrete Grade	: S2M, 3500HP			
Dates Test F	Dates Test Represents:		through	9/26/2022			MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution			
6AA	58-003	Stoneco	1600	9.53	2.69	51.6			
26A	58-003	Stoneco	300	1.79	2.69	9.7			
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	0.0	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	100.0	100).0	100.0	100.0	0.0	0.0	
3/4"		86.8	100).0	100.0	93.2	6.8	6.8	1
1/2"		51.0	99.	.4	100.0	74.7	18.5	25.3	
3/8"		24.3	80.	.0	100.0	59.0	15.7	41.0	*Ma
#4		4.4	12.	.6	99.1	41.9	17.1	58.1	*Any
#8		1.6	4.9	9	84.2	33.9	8.0	66.1	nom.
#16		1.6	3.4		66.5	26.9	7.0	73.1	*% F
#30		1.5	2.8	8	46.6	19.1	7.8	80.9	nom.
#50		1.4	2.0	6	22.0	9.5	9.6	90.5	*% F
#100		1.2	2.4	4	8.6	4.2	5.3	95.8	a 2" m
LBW		0.8	2.2	2	1.1	1.1	3.1	98.9	1



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



ess Factor: lity Factor: umulative	63 36 %	
umulative		
	%	
Deceiver		Cumulative
Passing	Retained	% Retained
100.0	0.0	0.0
100.0	0.0	0.0
99.2	0.8	0.8
90.9	8.3	9.1
71.3	19.6	28.7
59.5	11.8	40.5
43.8	15.7	56.2
35.7	8.1	64.3
27.0	8.7	73.0
18.6	8.4	81.4
6.8	11.8	93.2
1.4	5.4	98.6
0.6	0.8	99.4
	100.0 100.0 99.2 90.9 71.3 59.5 43.8 35.7 27.0 18.6 6.8 1.4	100.0 0.0 100.0 0.0 99.2 0.8 90.9 8.3 71.3 19.6 59.5 11.8 43.8 15.7 35.7 8.1 27.0 8.7 18.6 8.4 6.8 11.8 1.4 5.4

Approved BY: Mary P. Ball

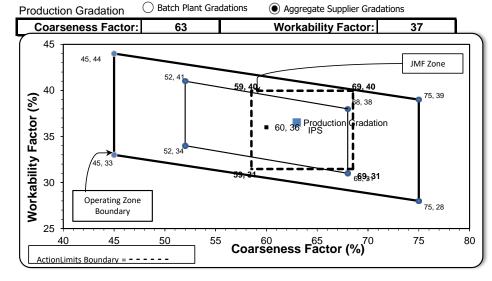
PLANT	#:	P-14					Contractor:		
Sample Date):	9/19/22			Concrete Grade:	S2M, 3500HP			
Dates Test R	Represents:	9/20/2022	through	9/26/2022			MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific	%			
6AA	58-003	Stoneco	1550	9.23	Gravity 2.69	Contribution 49.8			
26A	58-003	Stoneco	350	2.09	2.69	11.3			
20A 2NS	19-55	Schlegel	1210	7.26	2.67	38.9			
2110	19-00	Total Wt	3110	18.58	2.07	100.0	< Verify this n	umber is 100%	
Sieve	(6AA	26	A	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	100	0.0	100.0	100.0	0.0	0.0	
1"	1	00.0	10	0.0	100.0	100.0	0.0	0.0	
3/4"	8	86.8	100	0.0	100.0	93.4	6.6	6.6	
1/2"	Ę	51.0	99	.4	100.0	75.5	17.9	24.5	
3/8"	4	24.3	80	0.0	100.0	60.0	15.5	40.0	*Maximum %
#4		4.4	12	2.6	100.0	42.5	17.5	57.5	*Any two ad
#8		1.6	4.	.9	90.4	36.5	6.0	63.5	nom. max., #
#16		1.6	3.	.4	68.8	27.9	8.6	72.1	*% Retained
#30		1.5	2.	.8	44.3	18.3	9.6	81.7	nom. max., #
#50		1.4	2.	.6	14.4	6.6	11.7	93.4	*% Retained
#100		1.2	2.		2.7	1.9	4.7	98.1	a 2" max. size
LBW		0.8	2.	.2	0.3	0.8	1.2	99.2]



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., 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	Intial Production Sample (IPS)									
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							

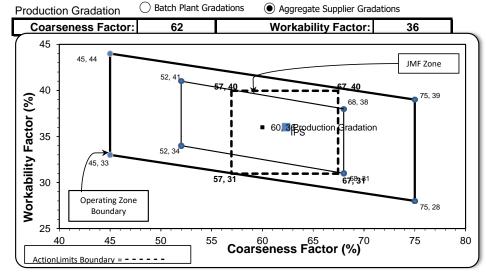
Approved By: Mart P. Ball

PLANT #: P-32						Contractor:				
Sample Date	:	9/19/22			Concrete Grade:	S2M, 3500HP				
Dates Test R	epresents:	9/20/2022	through	9/26/2022			MDOT No.:			
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific	%				
		55	-		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 number is 100%			
Sieve		6AA	26	A	2NS	Cumulative % Passing	% Retained	Cumulative % Retained		
2"	1	00.0	100).0	100.0	100.0	0.0	0.0	1	
1.5"	1	00.0	100).0	100.0	100.0	0.0	0.0		
1"	1	96.3	100).0	100.0	98.3	1.7	1.7	1	
3/4"		76.7	100).0	100.0	89.2	9.1	10.8	1	
1/2"		35.6	96	.7	100.0	69.6	19.6	30.4	1	
3/8"		18.1	86	.7	100.0	60.1	9.5	39.9	*	
#4	4.1		23	.4	96.5	43.9	16.2	56.1	*,	
#8		2.3	6.	3	84.6	36.0	7.9	64.0	no	
#16		1.9	2.8		69.7	29.4	6.7	70.6	*(
#30		1.8	2.	2	50.5	21.5	7.9	78.5	no	
#50		1.7	2.	0	23.8	10.7	10.8	89.3	*0	
#100		1.6	1.	9	6.7	3.7	7.0	96.3	a 2	
LBW		1.4	1.	7	1.1	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 Sample (IPS)									
Coars	seness Factor:	62							
Worl	cability 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						

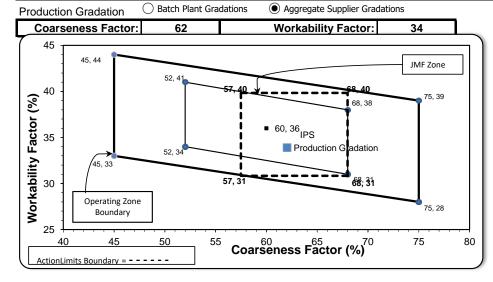
Approved By: Mart P. Ball

PLANT #: P-35		P-35					Contractor:								
Sample Date):	9/19/22			Concrete Grade:	S2M, 3500HP									
Dates Test R	epresents:	9/20/2022	through	9/26/2022			MDOT No.:								
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific	% Contribution									
6AA	58-003	Stoneco	1600	9.53	Gravity 2.69	Contribution 51.6									
26A	58-003	Stoneco	300	1.79	2.69	9.7									
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	100.0	100.0	0.0	0.0							
1.5"	100.0 100.0	100).0	100.0	100.0	0.0	0.0								
1"		100.0		100 100).0	100.0	100.0	0.0	0.0	1		
3/4"		86.8						100	100	100	100	100	100	100).0
1/2"	51.0		99	.4	100.0	74.7	18.5	25.3							
3/8"		24.3	80	.0	100.0	59.0	15.7	41.0	*						
#4		4.4	12	.6	99.1	41.9	17.1	58.1	*						
#8		1.6	4.	9	84.2	33.9	8.0	66.1	no						
#16		1.6	3.	4	66.5	26.9	7.0	73.1	*						
#30		1.5	2.	8	46.6	19.1	7.8	80.9	no						
#50		1.4	2.	6	22.0	9.5	9.6	90.5	*(
#100		1.2	2.		8.6	4.2	5.3	95.8	a 2						
LBW		0.8	2.	2	1.1	1.1	3.1	98.9	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 Product	Intial Production Sample (IPS)									
Coars	seness Factor:	63								
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"	99.2	0.8	0.8							
3/4"	90.9	8.3	9.1							
1/2"	71.3	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							

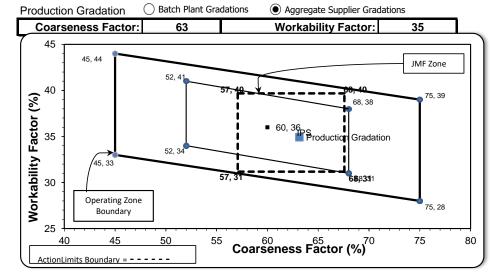
Approved By: Nat 1. Ball

PLANT #:		P-36					Contractor:		
Sample Date:	:	9/19/22			Concrete Grade:	S2M, 3500HP			
Dates Test R	epresents:	9/20/2022	through	9/26/2022			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	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"	9	98.4	100).0	100.0	99.2	0.8	0.8	1
3/4"	i	88.4	100).0	100.0	94.1	5.1	5.9	1
1/2"	-	50.1	96	.7	100.0	74.3	19.8	25.7	
3/8"	:	21.7	86	.7	100.0	58.9	15.4	41.1	*
#4		6.2	23	.4	97.6	43.9	15.0	56.1	*,
#8		2.3	6.	3	84.2	34.9	8.9	65.1	no
#16		1.9	2.	8	70.8	29.1	5.8	70.9	*(
#30		1.8	2.	2	52.7	21.9	7.2	78.1	no
#50		1.7	2.	0	22.8	10.0	11.8	90.0	*0
#100		1.6	1.		5.1	3.0	7.0	97.0	a 2
LBW		1.3	1.	7	2.0	1.6	1.4	98.4	



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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 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"	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

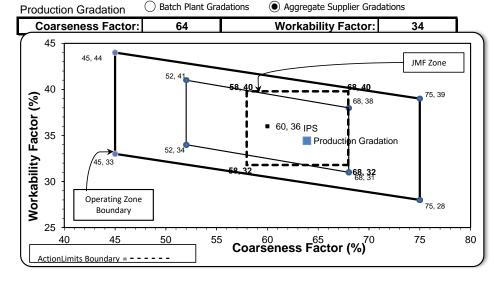
Approved By: Mart 1. Ball

PLANT #:		P-39					Contractor:		
Sample Date):	9/19/22			Concrete Grade:	S2M, 3500HP			
Dates Test R	epresents:	9/20/2022	through	9/26/2022			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	Α	2NS	Cumulative % Passing	% Retained	Cumulative % Retained	
2"		100.0	100	0.0	100.0	100.0	0.0	0.0	1
1.5"		100.0	100	0.0	100.0	100.0	0.0	0.0	
1"		99.0	100	0.0	100.0	99.5	0.5	0.5	
3/4"		87.0	100	0.0	100.0	93.2	6.3	6.8	1
1/2"		42.3	95	.8	100.0	69.5	23.7	30.5	
3/8"		22.3	82	.7	100.0	58.1	11.4	41.9	*
#4		3.1	23	.3	96.2	42.6	15.5	57.4	*
#8		1.8	6.	7	80.6	34.4	8.2	65.6	nc
#16		1.6	3.	1	65.9	28.1	6.4	71.9	4
#30		1.5	2.	5	50.9	21.8	6.2	78.2	n
#50		1.4	2.	3	27.6	12.2	9.6	87.8	4
#100		1.3	2.		8.4	4.3	7.9	95.7	а
LBW		1.2	1.	8	1.6	1.4	2.9	98.6	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 Product	on Sample (IPS	5)	_	
Coars				
Worl	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	

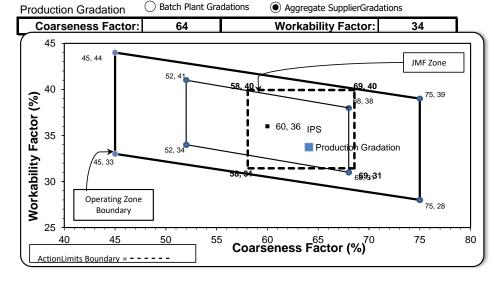
Approved By: Mary 1. Ball

PLANT #	#:	P-O2					Contractor:			
Sample Date	:	9/19/22			Concrete Grade:	S2M, 3500HP				
Dates Test Represents:		9/20/2022	through	9/26/2022			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	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	98.4	100	0.0	100.0	99.2	0.8	0.8		
3/4"		88.4	100	0.0	100.0	93.8	5.3	6.2		
1/2"		50.1	96	5.7	100.0	73.3	20.6	26.7		
3/8"	:	21.7	86	5.7	100.0	57.5	15.7	42.5	*N	
#4		6.2	23	3.4	97.0	43.9	13.6	56.1	*4	
#8		2.3	6.	.3	79.6	33.7	10.2	66.3	nor	
#16		1.9	2.8	2.8	2.8 62.7	62.7	26.5	7.3	73.5	*9
#30		1.8	2.	2	45.6	19.5	7.0	80.5	nor	
#50		1.7	2.	.0	23.5	10.5	9.0	89.5	*9	
#100		1.6	1.	.9	5.7	3.3	7.2	96.7	a 2	
LBW		1.3	1.	7	1.2	1.3	2.0	98.7		



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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.



Workat	ness Factor: pility Factor:	63	
	bility 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"	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