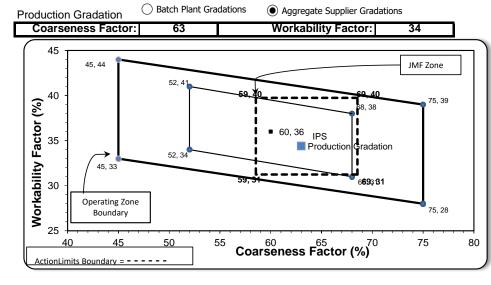
PLANT :	#:	P-101					Contractor:									
Sample Date	:	5/1/23			Concrete Grade:	S2M, 3500HP										
Dates Test Represents:		5/2/2023	through	5/8/2023			MDOT No.:									
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution										
6AA	71-47	Presque Isle	1575	9.63	2.62	51.6										
26A	71-47	Presque Isle	250	1.53	2.62	8.2										
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	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"		99.0	100	0.0	100.0	99.5	0.5	0.5								
3/4"		83.3	10	100	100	100	100	-	-	-	0.0	100.0	91.4	8.1	8.6	
1/2"		38.8	96	.8	100.0	68.2	23.2	31.8								
3/8"		21.9	87	.1	100.0	58.7	9.5	41.3	*N							
#4		3.6	21	.3	97.1	42.7	16.0	57.3	*A							
#8		1.7	5.	3	82.2	34.4	8.3	65.6	nor							
#16		1.5	3.	3.0		27.9	6.5	72.1	*%							
#30		1.5	2.	6	50.2	21.2	6.7	78.8	nor							
#50		1.4	2.	4	24.1	10.6	10.6	89.4	*%							
#100		1.4	2.		6.5	3.5	7.1	96.5	a 2'							
LBW		1.2	2.	1	0.9	1.2	2.4	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 Producti	on 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

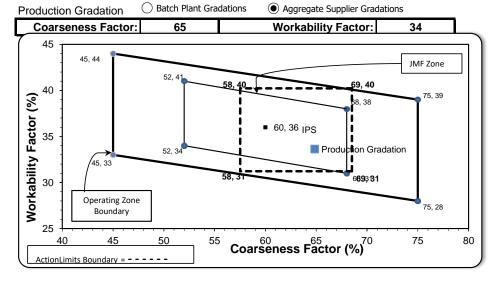


PLANT #: P-102		P-102					Contractor:		
Sample Date	:	5/1/23			Concrete Grade:	S2M, 3500HP			
Dates Test Represents:		5/2/2023	through	5/8/2023			MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution			
6AA	58-003	Stoneco	1600	9.53	2.69	51.6			
26A	58-003	Stoneco	300	1.79	2.69	9.7			
2NS	81-019					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
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	1
3/4"		88.1	100	0.0	100.0	93.9	6.1	6.1	1
1/2"		42.0	97	.8	100.0	69.9	24.0	30.1	
3/8"		18.9	87	.8	100.0	57.0	12.9	43.0	,
#4		1.7	9.	8	98.7	40.0	16.9	60.0	*
#8		1.0	3.	0	84.8	33.6	6.4	66.4	nc
#16		0.9	2.	2.2		26.9	6.7	73.1	*
#30		0.8	1.	1.9		19.2	7.7	80.8	no
#50		0.7	1.	8	22.9	9.4	9.8	90.6	*
#100		0.6	1.		6.0	2.8	6.6	97.2	a :
LBW		0.5	1.	5	1.4	0.9	1.9	99.1	



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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.



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						

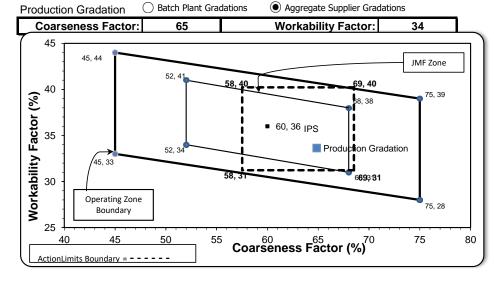
Approved By: Mart P. Ball

PLANT :	#:	P-103					Contractor:							
Sample Date	e:	5/1/23			Concrete Grade:	S2M, 3500HP								
Dates Test Represents:		5/2/2023	through	5/8/2023			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"	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	100.0	100).0	100.0	100.0	0.0	0.0	1					
3/4"		88.1	100	100	100	100	100	100).0	100.0	93.9	6.1	6.1	1
1/2"		42.0	97	.8	100.0	69.9	24.0	30.1						
3/8"		18.9	87	.8	100.0	57.0	12.9	43.0	*					
#4		1.7	9.	8	98.7	40.0	16.9	60.0	*,					
#8		1.0	3.	0	84.8	33.6	6.4	66.4	no					
#16		0.9	2.	2	67.7	26.9	6.7	73.1	*(
#30		0.8	1.	9	48.1	19.2	7.7	80.8	no					
#50		0.7	1.	1.8		9.4	9.8	90.6	*0					
#100		0.6	1.		6.0	2.8	6.6	97.2	a 2					
LBW		0.5	1.	5	1.4	0.9	1.9	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., 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 Sample (IPS)									
Coars	eness Factor:	63							
Work	ability 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"	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

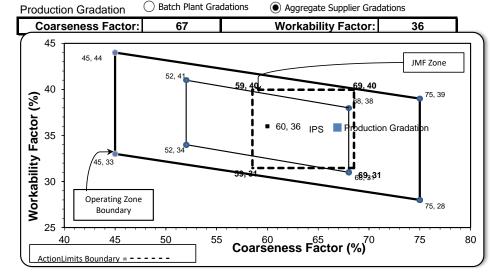
PLANT :	#:	14					Contractor:		
Sample Date): -	5/1/23			Concrete Grade:	S2M, 3500HP			
Dates Test R	epresents:	5/2/2023	through	5/8/2023			MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution			
6AA	58-003	Stoneco	1600	9.53	2.69	51.4			
26A	58-003	Stoneco	300	1.79	2.69	9.6			
2NS	19-04	Schlegel	1210	7.26	2.67	38.9			
1		Total Wt	3110	18.58		100.0	< Verify this no	umber is 100%	_
Sieve	e	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"	1	00.0	10	0.0	100.0	100.0	0.0	0.0	
3/4"		38.1	-	0.0	100.0	93.9	6.1	6.1	
1/2"	2	42.0	97	7.8	100.0	69.9	23.9	30.1	
3/8"		18.9	87	7.8	100.0	57.1	12.8	42.9	*Maximum % F
#4		1.7	9.	.8	99.9	40.7	16.4	59.3	*Any two adjac
#8		1.0	3.	.0	90.1	35.9	4.8	64.1	nom. max., #100
#16		0.9	2.	.2	69.4	27.7	8.2	72.3	*% Retained m
#30		0.8		.9	44.5	17.9	9.8	82.1	nom. max., #100
#50		0.7		.8	14.3	6.1	11.8	93.9	*% Retained m
#100		0.6		.8	2.7	1.5	4.6	98.5	a 2" max. size (r
LBW		0.5	1.	.5	0.2	0.5	1.1	99.5	J



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 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	#100 2.0		98.0
LBW	0.9	1.1	99.1

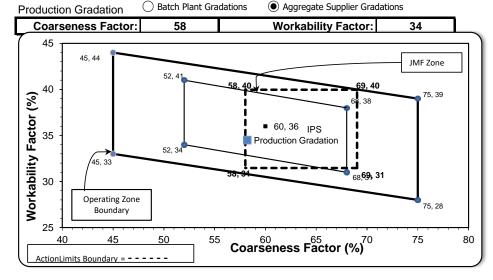
Approved By: Mart I. Ball

PLANT #	#:	12					Contractor:			
Sample Date	:	5/1/23			Concrete Grade:	S2M, 3500HP				
Dates Test R	epresents:	5/2/2023	through	5/8/2023			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 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	
1.5"	1	00.0	100).0	100.0	100.0	0.0	0.0		
1"	1	97.7	100).0	100.0	98.7	1.3	1.3		
3/4"		85.7	100	100.0	100.0	100.0	92.2	6.6	7.8	1
1/2"		49.0	90	.2	100.0	71.6	20.6	28.4		
3/8"	:	32.3	78	.4	100.0	61.9	9.7	38.1	*Ma	
#4		8.3	15	.9	96.8	44.4	17.5	55.6	*Ar	
#8		3.6	4.	5	80.1	34.5	9.9	65.5	nom	
#16		2.8	2.	1	64.6	27.7	6.8	72.3	*%	
#30		2.6	1.	6	49.2	21.3	6.3	78.7	nom	
#50		2.4	1.	5	25.9	11.8	9.5	88.2	*%	
#100		2.3	1.		4.3	3.1	8.8	96.9	a 2"	
LBW		1.8	1.	2	0.6	1.3	1.8	98.7	T	



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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							

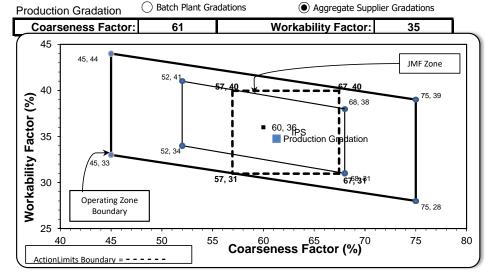
Approved By: n auf 1. Ball

PLANT #: p11		p11					Contractor:		
Sample Date	:	5/1/23			Concrete Grade:	S2M, 3500HP			
Dates Test R	epresents:	5/2/2023	through	5/8/2023			MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution			
6AA	71-47	Presque Isle	1500	9.17	2.62	49.2			
26A	71-47	Presque Isle	320	1.96	2.62	10.5			
2NS	95-013	Smelter Bay		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	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	00.0	100).0	100.0	100.0	0.0	0.0	
3/4"		84.8	100).0	100.0	92.5	7.5	7.5	
1/2"		40.0	90	.2	100.0	69.5	23.1	30.5	
3/8"	:	23.3	78	.4	100.0	60.0	9.5	40.0	*Ma
#4		2.7	15	.9	96.1	41.8	18.3	58.2	*An
#8		1.4	4.	5	83.3	34.8	7.0	65.2	nom
#16		1.2	2.	2.1		28.3	6.4	71.7	*%
#30		1.1	1.6		49.4	20.6	7.7	79.4	nom.
#50		1.1	1.	5	23.7	10.3	10.4	89.7	*%
#100		1.1	1.4		6.5	3.3	6.9	96.7	a 2" ı
LBW		0.8	1.:	2	1.3	1.0	2.3	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	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						

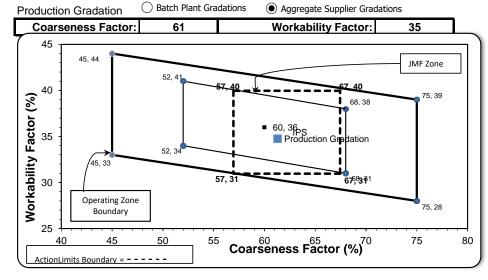
Approved By: Mart 1. Ball

PLANT #	#:	P-32					Contractor:		
Sample Date	:	5/1/23			Concrete Grade:	S2M, 3500HP			
Dates Test R	epresents:	5/2/2023	through	5/8/2023			MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution			
6AA	71-47	Presque Isle	1500	9.17	2.62	49.2			
26A	71-47	Presque Isle	320	1.96	2.62	10.5			
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	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	00.0	100	0.0	100.0	100.0	0.0	0.0	
3/4"		84.8	100	0.0	100.0	92.5	7.5	7.5	
1/2"		40.0	90	0.2	100.0	69.5	23.1	30.5	
3/8"	:	23.3	78	3.4	100.0	60.0	9.5	40.0	*
#4		2.7	15	5.9	96.1	41.8	18.3	58.2	*,
#8		1.4	4.	.5	83.3	34.8	7.0	65.2	no
#16		1.2	2.	.1	68.2	28.3	6.4	71.7	*(
#30		1.1	1.	.6	49.4	20.6	7.7	79.4	no
#50		1.1	1.	.5	23.7	10.3	10.4	89.7	*(
#100		1.1		.4	6.5	3.3	6.9	96.7	a 2
LBW		0.8	1.	.2	1.3	1.0	2.3	99.0	



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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	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
LBW	1.4	1.7	98.6

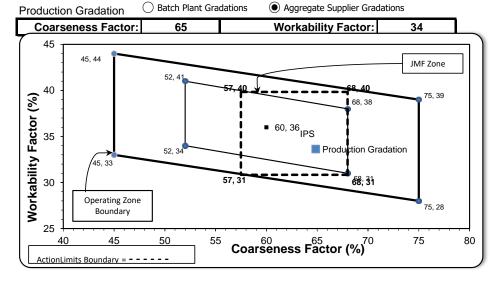
Approved By: Mart 1. Ball

PLANT :	#:	P-35					Contractor:		
Sample Date	e:	5/1/23			Concrete Grade:	S2M, 3500HP			
Dates Test R	Represents:	5/2/2023	through	5/8/2023			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	100.0	100.0	0.0	0.0	1
1.5"		100.0	100).0	100.0	100.0	0.0	0.0	
1"		100.0	100).0	100.0	100.0	0.0	0.0	
3/4"		88.1	100).0	100.0	93.9	6.1	6.1	1
1/2"		42.0	97	.8	100.0	69.9	24.0	30.1	
3/8"		18.9	87	.8	100.0	57.0	12.9	43.0	*Ma
#4		1.7	9.	8	98.7	40.0	16.9	60.0	*An
#8		1.0	3.	0	84.8	33.6	6.4	66.4	nom
#16		0.9	2.:	2	67.7	26.9	6.7	73.1	*%
#30		0.8	1.	9	48.1	19.2	7.7	80.8	nom
#50		0.7	1.5	8	22.9	9.4	9.8	90.6	*%
#100		0.6	1.5	8	6.0	2.8	6.6	97.2	a 2"
LBW		0.5	1.	5	1.4	0.9	1.9	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 Producti	on Sample (IPS	5)	-
Coars	eness Factor:	63	
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"	99.2	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

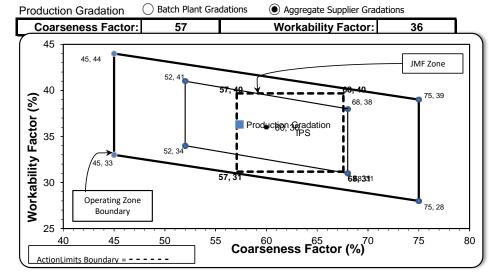
Approved By: Mart P. Ball

PLANT #	#:	P-36					Contractor:		
Sample Date	:	5/1/23			Concrete Grade:	S2M, 3500HP			
Dates Test R	epresents:	5/2/2023	through	5/8/2023			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	1		
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	0.0	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	97.7	100	0.0	100.0	98.8	1.2	1.2	
3/4"		85.7	100	0.0	100.0	92.7	6.1	7.3	1
1/2"		49.0	90	.2	100.0	73.1	19.6	26.9	
3/8"	:	32.3	78	.4	100.0	63.5	9.6	36.5	*N
#4		8.3	15	.9	97.7	44.2	19.2	55.8	*A
#8		3.6	4.	5	86.5	36.3	7.9	63.7	nor
#16		2.8	2.	1	72.3	30.1	6.2	69.9	*%
#30		2.6	1.	6	52.4	22.1	8.0	77.9	nor
#50		2.4	1.	5	20.9	9.6	12.5	90.4	*%
#100		2.3	1.		3.8	2.8	6.8	97.2	a 2
LBW		1.8	1.	2	0.7	1.3	1.5	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	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

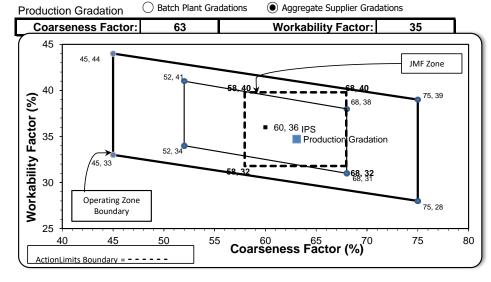
Approved By: Mart 1. Ball

PLANT :	#:	P-39					Contractor:		
Sample Date	e:	5/1/23			Concrete Grade:	S2M, 3500HP			
Dates Test R	epresents:	5/2/2023	through	5/8/2023			MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution			
6AA	71-47	Presque Isle	1570	9.60	2.62	51.5			
26A	71-47	Presque Isle	230	1.41	2.62	7.5			
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
1.5"		100.0	100).0	100.0	100.0	0.0	0.0	1
1"		99.0	100).0	100.0	99.5	0.5	0.5	1
3/4"		83.3	100).0	100.0	91.4	8.1	8.6	1
1/2"		38.8	96	.8	100.0	68.3	23.1	31.7	
3/8"		21.9	87	.1	100.0	58.8	9.4	41.2	*N
#4		3.6	21	.3	95.2	42.5	16.3	57.5	*/
#8		1.7	5.	3	81.6	34.7	7.8	65.3	nor
#16		1.5	3.	0	66.6	28.3	6.4	71.7	*9
#30		1.5	2.	6	50.4	21.6	6.7	78.4	nor
#50		1.4	2.4	4	24.0	10.7	10.9	89.3	*9
#100		1.4	2.		6.8	3.7	7.1	96.3	a 2
LBW		1.2	2.	1	1.1	1.2	2.5	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.



Intial Production	on Sample (IPS	5)	-
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"	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

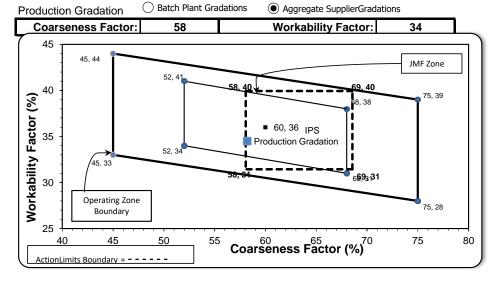
Approved By: Mart 1. Ball

PLANT :	#:	P-O2					Contractor:		
Sample Date	:	5/1/23			Concrete Grade:	S2M, 3500HP			
Dates Test R	epresents:	5/2/2023	through	5/8/2023			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 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	97.7	100	0.0	100.0	98.7	1.3	1.3	1
3/4"		85.7	100	0.0	100.0	92.2	6.6	7.8	1
1/2"		49.0	90	.2	100.0	71.6	20.6	28.4	
3/8"	:	32.3	78	.4	100.0	61.9	9.7	38.1	
#4		8.3	15	.9	96.8	44.4	17.5	55.6	
#8		3.6	4.	5	80.1	34.5	9.9	65.5	r
#16		2.8	2.	1	64.6	27.7	6.8	72.3	
#30		2.6	1.	6	49.2	21.3	6.3	78.7	r
#50		2.4	1.	5	25.9	11.8	9.5	88.2	
#100		2.3	1.		4.3	3.1	8.8	96.9	а
LBW		1.8	1.	2	0.6	1.3	1.8	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:	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"	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