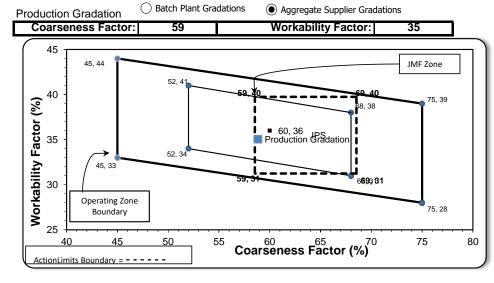
PLANT #	#:	P-101					Contractor:		
Sample Date	:	4/24/23			Concrete Grade:	S2M, 3500HP			
Dates Test Represents:		4/25/2023	through	5/1/2023			MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution			
6AA	71-47	Presque Isle	1575	9.63	2.62	51.6			
26A	71-47	Presque Isle	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	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"		84.2	100.0	100.0	100.0	91.9	8.1	8.1	
1/2"		44.2	96	.0	100.0	70.9	20.9	29.1	
3/8"		27.9	87	.2	100.0	61.8	9.1	38.2	*N
#4		5.2	21	.1	97.9	43.8	18.0	56.2	*A
#8		2.4	4.	4	83.1	35.1	8.8	64.9	nor
#16		2.1	2.	2.4		28.9	6.1	71.1	*%
#30		2.0	2.	2.0		22.7	6.2	77.3	nor
#50		1.9	1.	9	28.5	12.6	10.1	87.4	*%
#100		1.9	1.		8.5	4.5	8.1	95.5	a 2
LBW		1.6	1.	7	1.1	1.4	3.1	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.



Initial Produc	tion Sample (IPS	6)	_
Coar	seness Factor:	64	
Wor	kability 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

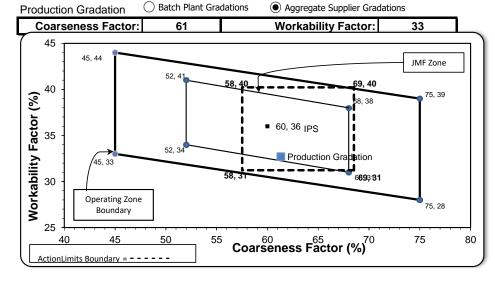
Approved By: Mary 1. Ball

PLANT #: P-102						Contractor:			
Sample Date	:	4/24/23			Concrete Grade:	S2M, 3500HP			
Dates Test R	epresents:	4/25/2023	through	5/1/2023			MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific	%			
Ayy. Class	FIL#	Source	Weight (SSD)	п	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	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"		99.4	100	0.0	100.0	99.7	0.3	0.3	
3/4"		86.8	100	0.0	100.0	93.2	6.5	6.8	
1/2"		49.1	99	.8	100.0	73.7	19.5	26.3	
3/8"		22.4	87	.5	100.0	58.7	15.0	41.3	*N
#4		2.1	5.	6	97.6	39.4	19.3	60.6	*A
#8		1.0	1.	8	82.7	32.7	6.7	67.3	nor
#16		0.6	1.	1.5		25.9	6.8	74.1	*9
#30		0.5	1.	1.3		18.4	7.5	81.6	nor
#50		0.5	1.	3	22.7	9.2	9.2	90.8	*9
#100		0.5	1.	3	6.6	2.9	6.2	97.1	a 2
LBW		0.6	1.	1	1.3	0.9	2.0	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.



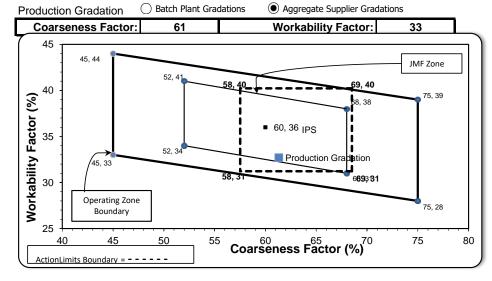
Intial Production Sample (IPS)									
Coars	seness Factor:	63							
Worl	kability Factor:	36							
Sieve	Cumulative	%	Cumulative						
Sleve	% Passing	Retained	% Retained						
2"	100.0	0.0	0.0						
1.5"	100.0	0.0	0.0						
1"	99.2	0.8	0.8						
3/4"	90.9	8.3	9.1						
1/2"	71.3	19.6	28.7						
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: Mary P. Ball

PLANT #: P-103						Contractor:			
Sample Date	e:	4/24/23			Concrete Grade:	S2M, 3500HP			
Dates Test F	Test Represents: 4/25/2023		through	5/1/2023			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	0.0	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"		99.4	100	0.0	100.0	99.7	0.3	0.3	
3/4"		86.8	100	0.0	100.0	93.2	6.5	6.8	
1/2"		49.1	99	.8	100.0	73.7	19.5	26.3	
3/8"		22.4	87	.5	100.0	58.7	15.0	41.3	*M
#4		2.1	5.	6	97.6	39.4	19.3	60.6	*Ar
#8		1.0	1.	8	82.7	32.7	6.7	67.3	nom
#16		0.6	1.	1.5		25.9	6.8	74.1	*%
#30		0.5	1.3		46.5	18.4	7.5	81.6	nom
#50		0.5	1.:	3	22.7	9.2	9.2	90.8	*%
#100		0.5	1.		6.6	2.9	6.2	97.1	a 2"
LBW		0.6	1.	1	1.3	0.9	2.0	99.1	1



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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

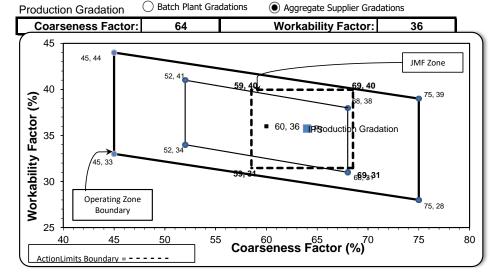
PLANT	#:	14					Contractor:		
Sample Date):	4/24/23			Concrete Grade	S2M, 3500HP			
Dates Test R	Represents:	4/25/2023	through	5/1/2023			MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution			
6AA	58-003	Stoneco	1600	9.53	2.69	51.4			
26A	58-003	Stoneco	300	1.79	2.69	9.6			
2NS	19-04	Schlegel	1210	7.26	2.67	38.9			
		Total Wt	3110	18.58		100.0	< Verify this n	_	
Sieve	(6AA	26	6A	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"	ç	99.4	100	0.0	100.0	99.7	0.3	0.3	
3/4"	8	86.8	100	0.0	100.0	93.2	6.5	6.8	
1/2"	4	49.1	99	9.8	100.0	73.8	19.4	26.2	
3/8"	4	22.4	87	' .5	100.0	58.9	14.9	41.1	*Maximum % R
#4		2.1	5.	.6	99.9	40.5	18.4	59.5	*Any two adjace
#8		1.0	1.	.8	90.1	35.7	4.7	64.3	nom. max., #100
#16		0.6	1.	.5	69.4	27.5	8.3	72.5	*% Retained m
#30		0.5	1.	.3	44.5	17.7	9.8	82.3	nom. max., #100
#50		0.5	1.	.3	14.3	5.9	11.7	94.1	*% Retained m
#100		0.5		.3	2.7	1.4	4.5	98.6	a 2" max. size (n
LBW		0.6	1.	.1	0.2	0.5	0.9	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., 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							
LDVV	0.9	1.1	33.1							

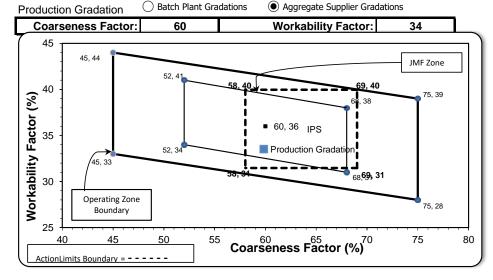
Approved By: Mart I. Ball

PLANT #	#:	12					Contractor:		
Sample Date	:	4/24/23			Concrete Grade:	S2M, 3500HP			
Dates Test R	epresents:	4/25/2023	through	5/1/2023			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	220	1.35	2.62	7.2			
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	00.0	100).0	100.0	100.0	0.0	0.0	
3/4"		88.3	100	0.0	100.0	93.9	6.1	6.1	
1/2"		45.1	95	.3	100.0	70.9	23.0	29.1	
3/8"	:	26.3	84	.4	100.0	60.2	10.6	39.8	*Ma
#4		3.1	17	.3	96.5	41.8	18.4	58.2	*An
#8		1.5	4.	7	80.3	33.5	8.3	66.5	nom
#16		1.4	2	2.4		27.2	6.3	72.8	*%
#30		1.3	1.9		49.8	20.9	6.3	79.1	nom
#50		1.3	1.	8	26.1	11.3	9.6	88.7	*%
#100		1.2	1.		3.7	2.2	9.1	97.8	a 2"
LBW		1.1	1.	5	0.5	0.9	1.4	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.



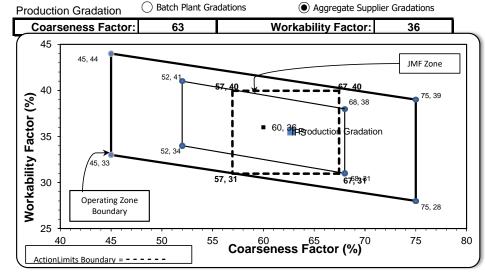
Intial Product	ion Sample (IPS	5)	-
Coar	seness Factor:	64	
Wor	kability Factor:	36	
Sieve	Cumulative	%	Cumulative
Sieve	% Passing	Retained	% Retained
2"	100.0	0.0	0.0
1.5"	100.0	0.0	0.0
1"	99.2	0.8	0.8
3/4"	90.9	8.3	9.1
1/2"	71.3	19.6	28.7
3/8"	59.2	12.1	40.8
#4	41.5	17.7	58.5
#8	35.7	5.8	64.3
#16	27.9	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 1. Ball

PLANT #: p11						Contractor:			
Sample Date	:	4/24/23			Concrete Grade:	S2M, 3500HP			
Dates Test R	epresents:	4/25/2023	through	5/1/2023			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	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"	ç	98.0	10	0.0	100.0	99.0	1.0	1.0	
3/4"	8	82.5	10	0.0	100.0	91.4	7.6	8.6	
1/2"		35.5	95	5.3	100.0	67.8	23.6	32.2	
3/8"		21.1	84	.4	100.0	59.6	8.2	40.4	*Max
#4		3.7	17	' .3	96.8	42.7	16.9	57.3	*Any
#8		1.7	4	.7	84.9	35.6	7.1	64.4	nom. n
#16		1.4	2	2.4		28.9	6.7	71.1	*% R
#30		1.3	1.9		50.6	21.2	7.6	78.8	nom. n
#50		1.3	1.	.8	24.9	10.9	10.4	89.1	*% Re
#100		1.2	1.		6.7	3.5	7.4	96.5	a 2" ma
LBW		1.0	1.	.5	1.2	1.1	2.3	98.9	1



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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						

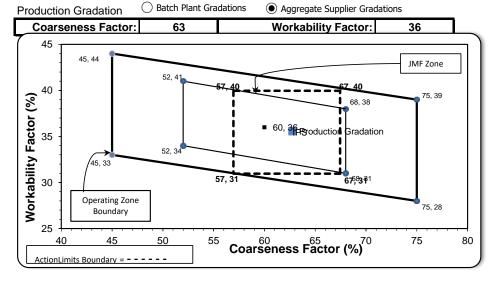
Approved By: Mart P. Ball

PLANT #	#:	P-32					Contractor:		
Sample Date	:	4/24/23			Concrete Grade:	S2M, 3500HP			
Dates Test R		4/25/2023	through	5/1/2023			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	
1.5"	1	00.0	100	0.0	100.0	100.0	0.0	0.0	
1"	1	98.0	100	0.0	100.0	99.0	1.0	1.0	
3/4"		82.5	100	0.0	100.0	91.4	7.6	8.6	
1/2"		35.5	95.	.3	100.0	67.8	23.6	32.2	
3/8"	:	21.1	84.	.4	100.0	59.6	8.2	40.4	
#4		3.7	17.	.3	96.8	42.7	16.9	57.3	
#8		1.7	4.	4.7		35.6	7.1	64.4	n
#16		1.4	2.4		69.3	28.9	6.7	71.1	
#30		1.3	1.9	9	50.6	21.2	7.6	78.8	n
#50		1.3	1.8	8	24.9	10.9	10.4	89.1	
#100		1.2	1.1		6.7	3.5	7.4	96.5	а
LBW		1.0	1.	5	1.2	1.1	2.3	98.9	Τ



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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.



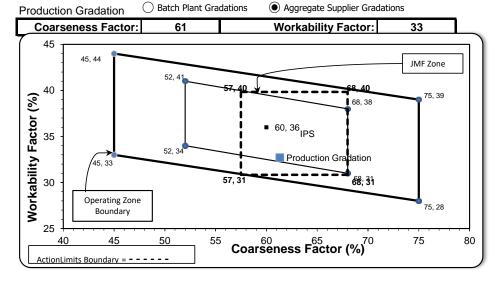
Intial Production Sample (IPS)									
Coars	eness Factor:	62							
Work	ability Factor:	35							
Sieve	Cumulative	%	Cumulative						
Sieve	% Passing	Retained	% Retained						
2"	100.0	0.0	0.0						
1.5"	100.0	0.0	0.0						
1"	100.0	0.0	0.0						
3/4"	94.0	6.0	6.0						
1/2"	70.2	23.7	29.8						
3/8"	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 P. Ball

PLANT #	#:	P-35					Contractor:		
Sample Date	:	4/24/23			Concrete Grade:	S2M, 3500HP			
Dates Test R	epresents:	4/25/2023	through	5/1/2023			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	0.0	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"		99.4	100	0.0	100.0	99.7	0.3	0.3	
3/4"		86.8	100	0.0	100.0	93.2	6.5	6.8	
1/2"		9.1 99.8 100.0	100.0	73.7	19.5	26.3			
3/8"		22.4	87.	.5	100.0	58.7	15.0	41.3	*
#4		2.1	5.0	6	97.6	39.4	19.3	60.6	*/
#8		1.0	1.8	8	82.7	32.7	6.7	67.3	no
#16		0.6	1.5		65.7	25.9	6.8	74.1	*0
#30		0.5	1.:	3	46.5	18.4	7.5	81.6	no
#50		0.5	1.:	3	22.7	9.2	9.2	90.8	*0
#100		0.5	1.:	3	6.6	2.9	6.2	97.1	a 2
LBW		0.6	1.	1	1.3	0.9	2.0	99.1	



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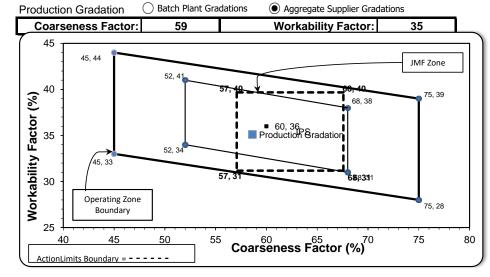
Intial Production Sample (IPS)									
Coars	eness Factor:	63							
Work	ability Factor:	35							
Sieve	Cumulative	%	Cumulative						
Sieve	% Passing	Retained	% Retained						
2"	100.0	0.0	0.0						
1.5"	100.0	0.0	0.0						
1"	99.2	0.8	0.8						
3/4"	90.9	8.3	9.1						
1/2"	71.3	19.6	28.7						
3/8"	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:	:	4/24/23			Concrete Grade:	S2M, 3500HP			
Dates Test R		4/25/2023	through	5/1/2023			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	350	2.14	2.62	11.5			
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	0.0	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	1
3/4"	i	88.3	100	0.0	100.0	94.2	5.8	5.8	1
1/2"		45.1	95	95.3	100.0	72.5	21.8	27.5	
3/8"	:	26.3	84	.4	100.0	62.0	10.5	38.0	1
#4		3.1	17	.3	97.9	42.0	19.9	58.0	
#8		1.5	4.	7	86.0	35.1	6.9	64.9	n
#16		1.4	2.4		71.6	29.1	6.0	70.9	1
#30		1.3	1.	9	50.7	20.8	8.3	79.2	n
#50		1.3	1.	8	18.2	8.0	12.8	92.0	,
#100		1.2	1.		2.9	1.9	6.1	98.1	а
LBW		1.1	1.	5	0.6	0.9	1.0	99.1	1



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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"	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						

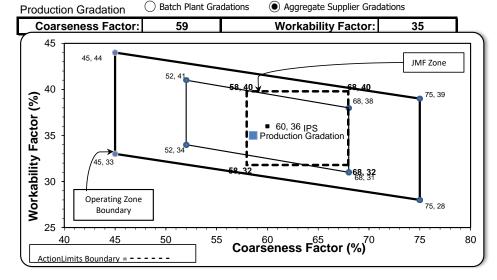
Approved By: Mart 1. Ball

PLANT	#:	P-39					Contractor:		
Sample Date	e:	4/24/23			Concrete Grade:	S2M, 3500HP			
Dates Test F	Represents:	4/25/2023	through	5/1/2023			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	
1.5"		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"		84.2	100	0.0	100.0	91.9	8.1	8.1	
1/2"		44.2	96.	.0	100.0	71.0	20.9	29.0	
3/8"		27.9	87.	.2	100.0	61.9	9.1	38.1	*Ma
#4		5.2	21.	.1	95.2	43.3	18.6	56.7	*An
#8		2.4	4.4	4	81.6	35.0	8.3	65.0	nom.
#16		2.1	2.4	4	66.6	28.6	6.5	71.4	*%
#30		2.0	2.0	0	50.4	21.8	6.7	78.2	nom.
#50		1.9	1.9	9	24.0	11.0	10.9	89.0	*%
#100		1.9	1.8		6.8	3.9	7.1	96.1	a 2" r
LBW		1.6	1.1	7	1.1	1.4	2.5	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 Production Sample (IPS)									
Coars	seness Factor:	63							
Worl	cability 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						

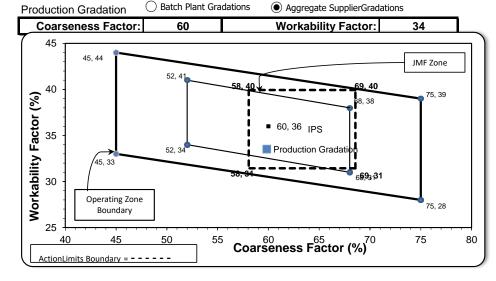
Approved By: Mary P. Ball

PLANT #	#:	P-O2					Contractor:		
Sample Date	:	4/24/23			Concrete Grade:	S2M, 3500HP			
Dates Test R	epresents:	4/25/2023	through	5/1/2023			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	220	1.35	2.62	7.2			
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	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"		88.3	100	0.0	100.0	93.9	6.1	6.1	
1/2"		45.1	95	.3	100.0	70.9	23.0	29.1	
3/8"	:	26.3	84	.4	100.0	60.2	10.6	39.8	*Ma
#4		3.1	17	.3	96.5	41.8	18.4	58.2	*Ar
#8		1.5	4.	7	80.3	33.5	8.3	66.5	nom
#16		1.4	2.	4	65.2	27.2	6.3	72.8	*%
#30		1.3	1.	9	49.8	20.9	6.3	79.1	nom
#50		1.3	1.	8	26.1	11.3	9.6	88.7	*%
#100		1.2	1.	7	3.7	2.2	9.1	97.8	a 2"
LBW		1.1	1.	5	0.5	0.9	1.4	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							
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"	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 1. Ball