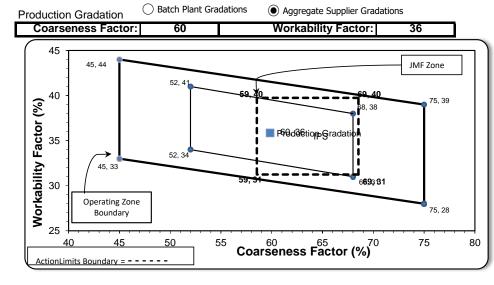
PLANT #: P-101							Contractor:		
Sample Date	:	11/21/22			Concrete Grade:	S2M, 3500HP			
Dates Test R	ates Test Represents:		through	11/28/2022			MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution			
6AA	71-47	Presque Isle	1570	9.60	2.62	51.4			
26A	71-47	Presque 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	< Verify this n	umber is 100%	_
Sieve		6AA	26	6A	2NS	Cumulative % Passing	% Retained	Cumulative % Retained	l
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	98.3	10	0.0	100.0	99.1	0.9	0.9	1
3/4"		87.6	100	0.0	100.0	93.6	5.5	6.4	
1/2"		49.5	94	.9	100.0	73.6	20.0	26.4	
3/8"	28.5		28.5 80.4		100.0	61.6	12.0	38.4	,
#4		4.8	20).8	98.8	44.0	17.6	56.0	1
#8		2.1	7.	.6	84.8	35.9	8.1	64.1	nc
#16		1.8	4.	.2	69.3	29.2	6.7	70.8	1
#30		1.8	3.	.2	51.6	22.0	7.2	78.0	n
#50		1.7	2.	.8	23.2	10.4	11.5	89.6	*
#100		1.7	2.	.6	4.7	3.0	7.5	97.0	а
LBW		1.5	2.	.4	0.8	1.3	1.7	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.



Initial Producti	on Sample (IPS	S)	
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

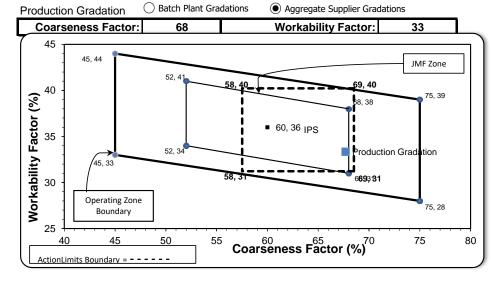


PLANT :	#:	P-102					Contractor:		
Sample Date	:	11/21/22			Concrete Grade:	S2M, 3500HP			
Dates Test R	epresents:	11/22/2022	through	11/28/2022			MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific	%			
Agg. Class		Source	Weight (SSD)		Gravity	Contribution			
6AA	58-003	Stoneco	1550	9.23	2.69	50.0			
26A	58-003	Stoneco	350	2.09	2.69	11.3			
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	6A	2NS	Cumulative % Passing	% Retained	Cumulative % Retained	
2"	·	100.0	10	0.0	100.0	100.0	0.0	0.0	1
1.5"	1	100.0	10	0.0	100.0	100.0	0.0	0.0	1
1"		99.2	10	0.0	100.0	99.6	0.4	0.4	1
3/4"		77.7	10	0.0	100.0	88.9	10.8	11.2	1
1/2"		35.7	10	0.0	100.0	67.9	21.0	32.2	
3/8"		12.3	88	3.7	100.0	54.9	13.0	45.1	*
#4		3.2	6	.2	97.6	40.1	14.8	59.9	*
#8		1.8	1.	.0	83.5	33.3	6.7	66.7	no
#16		1.4	0	.7	68.5	27.3	6.0	72.7	*
#30		1.4	0.	.6	51.2	20.6	6.7	79.4	no
#50		1.1	0	.6	26.6	10.9	9.7	89.1	*
#100		1.3	0	.6	7.3	3.5	7.4	96.5	a 2
LBW		1.1	0	.5	1.3	1.1	2.4	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 Production	on 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

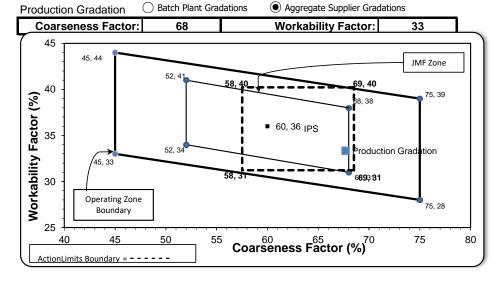
Approved By: Nat 1. Ball

PLANT #: P-103						Contractor:			
Sample Date	e:	11/21/22			Concrete Grade:	S2M, 3500HP			
Dates Test R	epresents:	11/22/2022	through	11/28/2022			MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution			
6AA	58-003	Stoneco	1550	9.23	2.69	50.0			
26A	58-003	Stoneco	350	2.09	2.69	11.3			
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"		99.2	100	0.0	100.0	99.6	0.4	0.4	1
3/4"		77.7	100	0.0	100.0	88.9	10.8	11.2	1
1/2"		35.7	100	0.0	100.0	67.9	21.0	32.2	1
3/8"		12.3	88	.7	100.0	54.9	13.0	45.1	*N
#4		3.2	6.	2	97.6	40.1	14.8	59.9	*A
#8		1.8	1.	0	83.5	33.3	6.7	66.7	nor
#16		1.4	0.	7	68.5	27.3	6.0	72.7	*9
#30		1.4	0.	6	51.2	20.6	6.7	79.4	nor
#50		1.1	0.	6	26.6	10.9	9.7	89.1	*%
#100		1.3	0.	6	7.3	3.5	7.4	96.5	a 2"
LBW		1.1	0.	5	1.3	1.1	2.4	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	ion Sample (IPS	5)	-
Coar	seness Factor:	63	
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"	59.5	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: May 1. Ball

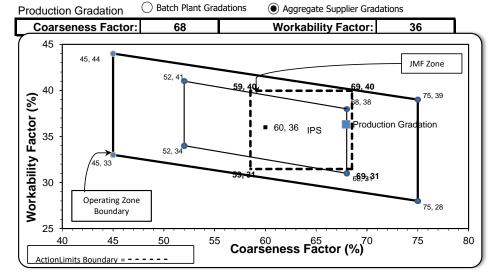
PLANT	#:	P-14					Contractor:		
Sample Date	e:	11/21/22			Concrete Grade:	S2M, 3500HP			
Dates Test F	Represents:	11/22/2022	through	11/28/2022	2		MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution			
6AA	58-003	Stoneco	1480	8.82	2.69	47.6			
26A	58-003	Stoneco	420	2.50	2.69	13.5			
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	6	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	99.2	10	0.0	100.0	99.6	0.4	0.4	
3/4"	7	77.7	10	0.0	100.0	89.4	10.2	10.6	
1/2"	3	35.7	10	0.0	100.0	69.4	20.0	30.6	
3/8"		12.3	88	3.7	100.0	56.7	12.7	43.3	*Maximum %
#4		3.2	6	.2	100.0	41.3	15.5	58.7	*Any two adj
#8		1.8	1.	.0	90.8	36.3	4.9	63.7	nom. max., #1
#16		1.4	0.	.7	71.2	28.5	7.9	71.5	*% Retained
#30		1.4	0.	.6	48.1	19.5	9.0	80.5	nom. max., #*
#50		1.1	0	.6	16.9	7.2	12.3	92.8	*% Retained
#100		1.3		.6	3.2	1.9	5.2	98.1	a 2" max. size
LBW		1.1	0.	.5	0.3	0.7	1.2	99.3	



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 Producti	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

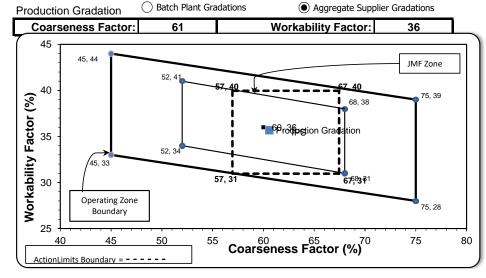
Approved By: Mart I. Ball

PLANT :	#:	11					Contractor:		
Sample Date	:	11/21/22			Concrete Grade:	S2M, 3500HP			
Dates Test R	epresents:	11/22/2022	through	11/28/2022			MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution			
6AA	71-47	Presque Isle	1470	8.99	2.62	48.2			
26A	71-47	Presque Isle	350	2.14	2.62	11.5			
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"	9	98.8	10	0.0	100.0	99.4	0.6	0.6	
3/4"	i	89.9	10	0.0	100.0	95.1	4.3	4.9	
1/2"		44.5	98	3.1	100.0	73.0	22.1	27.0	
3/8"	:	21.7	89).3	100.0	61.0	12.0	39.0	*Maximu
#4		3.1	26	6.5	96.4	43.4	17.6	56.6	*Any two
#8		1.9	7	.0	84.2	35.7	7.7	64.3	nom. max
#16		1.7	2	.7	69.0	29.0	6.7	71.0	*% Reta
#30		1.6	2	.0	50.4	21.3	7.6	78.7	nom. max
#50		1.5	1	.8	24.6	10.9	10.5	89.1	*% Reta
#100		1.4		.7	7.1	3.7	7.1	96.3	a 2" max.
LBW		1.2	1	.5	1.2	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 Product	ion Sample (IPS	5)	
Coar	seness Factor:	62	
Wor	kability 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

(100)

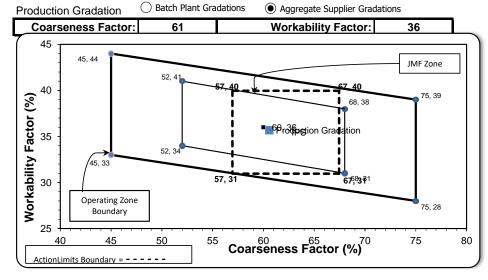
Approved By: Mart 1. Ball

PLANT #	#:	P-32					Contractor:		
Sample Date	:	11/21/22			Concrete Grade:	S2M, 3500HP			
Dates Test Represents:		11/22/2022	through	11/28/2022			MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution			
6AA	71-47	Presque Isle	1470	8.99	2.62	48.2			
26A	71-47	Presque Isle	350	2.14	2.62	11.5			
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	98.8	10	0.0	100.0	99.4	0.6	0.6	
3/4"		89.9	100	0.0	100.0	95.1	4.3	4.9	1
1/2"		44.5	98	5.1	100.0	73.0	22.1	27.0	
3/8"	:	21.7	89	.3	100.0	61.0	12.0	39.0	*
#4		3.1	26	5.5	96.4	43.4	17.6	56.6	*.
#8		1.9	7.	.0	84.2	35.7	7.7	64.3	no
#16		1.7	2.	7	69.0	29.0	6.7	71.0	*
#30		1.6	2.	.0	50.4	21.3	7.6	78.7	no
#50		1.5	1.	.8	24.6	10.9	10.5	89.1	*
#100		1.4	1.		7.1	3.7	7.1	96.3	a 2
LBW		1.2	1.	.5	1.2	1.2	2.5	98.8	Í



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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.



Coarse			
	eness Factor:	62	
Worka	bility 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

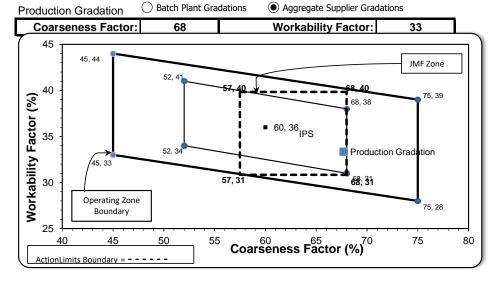
Approved By: Mart P. Ball

PLANT #	#:	P-35					Contractor:		
Sample Date	:	11/21/22			Concrete Grade:	S2M, 3500HP			
Dates Test R	epresents:	11/22/2022	through	11/28/2022			MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution			
6AA	58-003	Stoneco	1550	9.23	2.69	50.0			
26A	58-003	Stoneco	350	2.09	2.69	11.3			
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"		99.2	100	0.0	100.0	99.6	0.4	0.4	1
3/4"		77.7	100	0.0	100.0	88.9	10.8	11.2	
1/2"		35.7	100	0.0	100.0	67.9	21.0	32.2	
3/8"		12.3	88	.7	100.0	54.9	13.0	45.1	*
#4		3.2	6.	2	97.6	40.1	14.8	59.9	*
#8		1.8 1.0		0	83.5	33.3	6.7	66.7	no
#16	1.4		0.	7	68.5	27.3	6.0	72.7	*
#30		1.4	0.	6	51.2	20.6	6.7	79.4	nc
#50		1.1	0.	6	26.6	10.9	9.7	89.1	*
#100		1.3	0.		7.3	3.5	7.4	96.5	a
LBW		1.1	0.	5	1.3	1.1	2.4	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	ion Sample (IPS	5)	
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

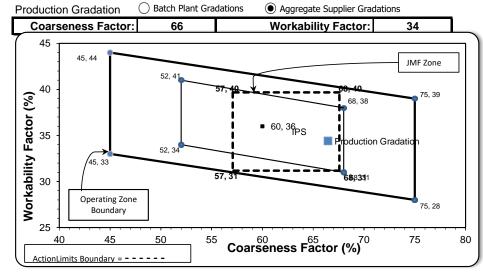
Approved By: Mart P. Ball

PLANT #	#:	P-36					Contractor:		
Sample Date	:	11/21/22			Concrete Grade:	S2M, 3500HP			
Dates Test R	epresents:	11/22/2022	through	11/28/2022			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		18.57		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
1.5"	1	00.0	100	0.0	100.0	100.0	0.0	0.0	1
1"	1	96.4	10	0.0	100.0	98.2	1.8	1.8	
3/4"		75.1	10	0.0	100.0	87.3	10.8	12.7	
1/2"		33.8	98	3.1	100.0	66.2	21.2	33.8	-
3/8"		16.3	89	9.3	100.0	56.4	9.8	43.6	*N
#4		2.9	26	6.5	97.3	42.4	14.0	57.6	*A
#8		2.0	7.	.0	83.1	34.4	8.0	65.6	nor
#16		1.8	2.	.7	68.3	28.1	6.3	71.9	*%
#30		1.7	2.	.0	50.4	20.9	7.2	79.1	nor
#50		1.6	1.	.8	23.1	10.1	10.8	89.9	*%
#100		1.5		.7	3.2	2.2	7.9	97.8	a 2'
LBW		1.2	1.	.5	0.4	0.9	1.3	99.1	



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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

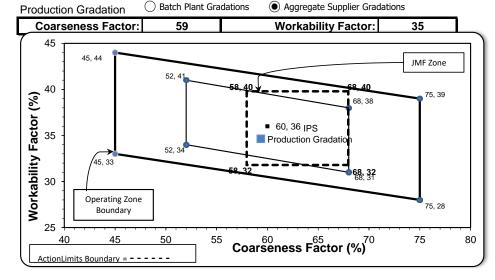
Approved By: Mart 1. Ball

PLANT #	#:	P-39					Contractor:		
Sample Date	:	11/21/22			Concrete Grade:	S2M, 3500HP			
Dates Test R	epresents:	11/22/2022	through	11/28/2022			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	0.0	100.0	100.0	0.0	0.0	
1"		98.3	100	0.0	100.0	99.1	0.9	0.9	
3/4"		87.6	100	0.0	100.0	93.5	5.6	6.5	
1/2"		49.5	94	.9	100.0	73.2	20.3	26.8	
3/8"		28.5	80	.4	100.0	61.2	12.0	38.8	*Ma
#4		4.8	20	.8	96.4	43.4	17.8	56.6	*An
#8		2.1	7.	.6	80.6	34.6	8.8	65.4	nom.
#16		1.8	4.	2	65.7	28.1	6.5	71.9	*%
#30		1.8	3.	2	48.1	20.9	7.3	79.1	nom.
#50		1.7	2.	8	23.7	10.8	10.1	89.2	*%
#100		1.7	2.		7.2	4.0	6.8	96.0	a 2" r
LBW		1.5	2.	4	0.9	1.3	2.7	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.



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

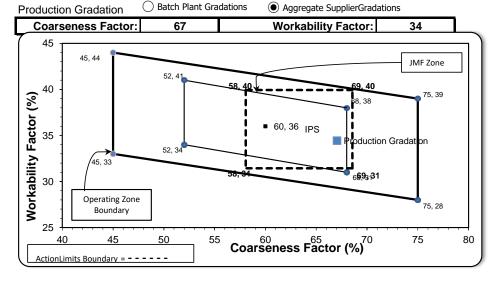
Approved By: Mary P. Ball

PLANT #	#:	P-O2					Contractor:		
Sample Date	:	11/21/22			Concrete Grade:	S2M, 3500HP			
Dates Test R	epresents:	11/22/2022	through	11/28/2022			MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution			
6AA	71-47	Presque Isle	1570	9.60	2.62	51.5			
26A	71-47	Presque Isle	250	1.53	2.62	8.2			
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
1.5"	1	00.0	100	0.0	100.0	100.0	0.0	0.0	
1"	9	96.4	100	0.0	100.0	98.1	1.9	1.9	1
3/4"	-	75.1	100	0.0	100.0	87.2	11.0	12.8	1
1/2"		33.8	98	3.1	100.0	65.8	21.4	34.2	
3/8"		16.3	89	.3	100.0	56.0	9.7	44.0	*1
#4		2.9	26	5.5	97.4	42.9	13.1	57.1	*/
#8		2.0 7.0		.0	81.4	34.4	8.5	65.6	no
#16		1.8	2.	.7	66.4	27.9	6.5	72.1	*0
#30		1.7	2.	.0	50.5	21.4	6.5	78.6	no
#50		1.6	1.	.8	27.9	12.2	9.2	87.8	*9
#100		1.5	1.		5.5	3.1	9.1	96.9	a 2
LBW		1.2	1.	5	0.6	1.0	2.1	99.0	1



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Intial Producti	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"	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