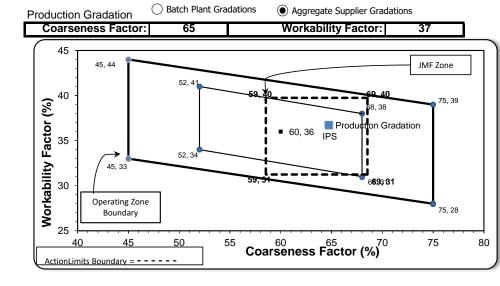
PLANT #	<b>#:</b>	P-101					Contractor:		
Sample Date	:	9/12/22			Concrete Grade:	S2M, 3500HP			
Dates Test R	epresents:	9/13/2022	through	9/19/2022			MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft <sup>3</sup>	Specific Gravity	% Contribution			
6AA	71-47	Presque Isle	1625	9.94	2.62	53.2			
26A	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	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	98.2	100	).0	100.0	99.0	1.0	1.0	
3/4"		85.6	100	).0	100.0	92.3	6.7	7.7	
1/2"		43.2	98	.0	100.0	69.7	22.7	30.3	
3/8"	:	24.6	87	.0	100.0	59.0	10.6	41.0	*
#4		4.2	24	.6	99.2	43.8	15.3	56.2	*,
#8		2.2	6.	8	87.2	36.7	7.1	63.3	no
#16		1.8	3.	2	72.1	30.2	6.5	69.8	*
#30		1.7	2.	6	53.0	22.4	7.8	77.6	no
#50		1.6	2.	4	21.2	9.5	12.9	90.5	*(
#100		1.6	2.		4.3	2.7	6.8	97.3	a 2
LBW		1.4	2.	0	0.7	1.2	1.6	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., 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.



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

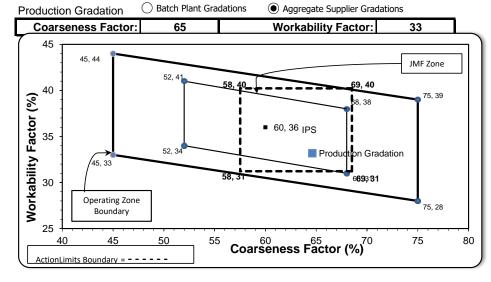
Approved By: Mart P. Ball

PLANT #: P-102		P-102					Contractor:		
Sample Date	:	9/12/22			Concrete Grade:	S2M, 3500HP			
Dates Test R	epresents:	9/13/2022	through	9/19/2022			MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft <sup>3</sup>	Specific	%			
6AA	58-003	Stoneco	1600	9.53	Gravity 2.69	Contribution 51.6			
26A	58-003	Stoneco	300	1.79	2.69	9.7			
20A 2NS	81-019	Pleasant Lake	1200	7.26	2.65	38.7			
2110	01-013	Total Wt	3100	18.58	2.00	100.0	< Verify this n	umber is 100%	
Sieve		6AA	26	A	2NS	Cumulative % Passing	% Retained	Cumulative % Retained	1
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"	1	100.0	100	0.0	100.0	100.0	0.0	0.0	
3/4"		83.4	100	0.0	100.0	91.4	8.6	8.6	
1/2"		37.2	99	.4	100.0	67.5	23.9	32.5	1
3/8"		19.4	83	.8	100.0	56.8	10.7	43.2	,
#4		2.5	19	.0	98.9	41.4	15.4	58.6	,
#8		1.8	5.	3	82.0	33.2	8.2	66.8	nc
#16		1.6	3.	0	63.9	25.9	7.3	74.1	,
#30		1.4	2.	3	44.2	18.1	7.8	81.9	no
#50		1.3	2.	1	24.5	10.4	7.7	89.6	*
#100		1.2	2.	1	6.2	3.2	7.1	96.8	a
LBW		1.0	1.	8	1.5	1.3	2.0	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 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"	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

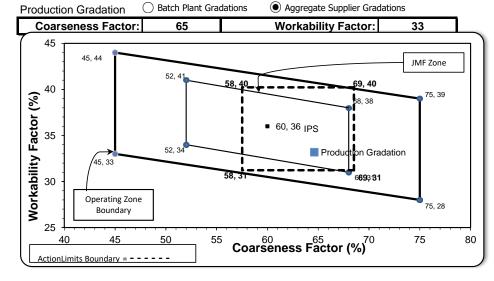
Approved By: Mart P. Ball

PLANT	PLANT #: P-103						Contractor:		
Sample Date	e:	9/12/22			Concrete Grade:	S2M, 3500HP			
Dates Test F	Represents:	9/13/2022	through	9/19/2022			MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft <sup>3</sup>	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	
1.5"	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"		83.4	100	).0	100.0	91.4	8.6	8.6	
1/2"		37.2	99	.4	100.0	67.5	23.9	32.5	
3/8"		19.4	83	.8	100.0	56.8	10.7	43.2	*Max
#4		2.5	19	.0	98.9	41.4	15.4	58.6	*Any
#8		1.8	5.	3	82.0	33.2	8.2	66.8	nom. n
#16		1.6	3.	0	63.9	25.9	7.3	74.1	*% R
#30		1.4	2.	3	44.2	18.1	7.8	81.9	nom. r
#50		1.3	2.	1	24.5	10.4	7.7	89.6	*% R
#100		1.2	2.		6.2	3.2	7.1	96.8	a 2" m
LBW		1.0	1.	8	1.5	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.



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"	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

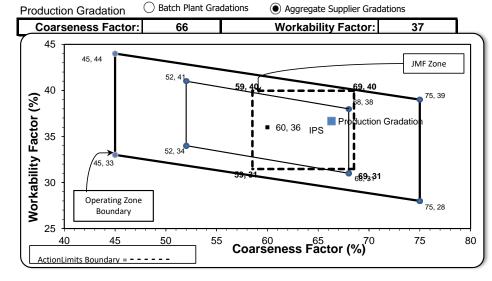
<b>PLANT</b>	#:	P-14					Contractor:		
Sample Date	e:	9/12/22			Concrete Grade:	S2M, 3500HP			
Dates Test F	Represents:	9/13/2022	through	9/19/2022			MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft <sup>3</sup>	Specific Gravity	% Contribution			
6AA	58-003	Stoneco	1550	9.23	2.69	49.8			
26A	58-003	Stoneco	350	2.09	2.69	11.3			
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	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	100	0.0	100.0	100.0	0.0	0.0	
3/4"	8	33.4	100	0.0	100.0	91.7	8.3	8.3	
1/2"	3	37.2	99	.4	100.0	68.6	23.1	31.4	
3/8"		19.4	83	5.8	100.0	58.0	10.6	42.0	*Maximum %
#4		2.5	19	0.0	100.0	42.3	15.7	57.7	*Any two adj
#8		1.8	5.	.3	90.4	36.7	5.6	63.3	nom. max., #
#16		1.6	3.	.0	68.8	27.9	8.8	72.1	*% Retained
#30		1.4	2.	.3	44.3	18.2	9.7	81.8	nom. max., #
#50		1.3	2.	.1	14.4	6.5	11.7	93.5	*% Retained
#100		1.2	2.		2.7	1.9	4.6	98.1	a 2" max. size
LBW		1.0	1.	.8	0.3	0.8	1.1	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 Product	on Sample (IPS	5)	_
Coars	seness Factor:	64	
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"	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

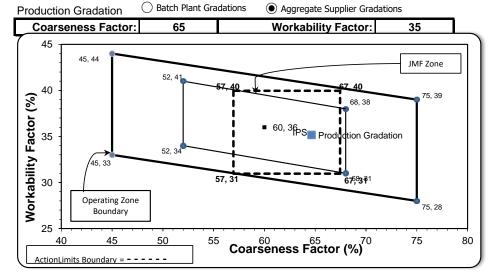
Approved By: Mart P. Ball

PLANT #	<b>#:</b>	P-32					Contractor:	
Sample Date	:	9/12/22			Concrete Grade:	S2M, 3500HP		
Dates Test Represents:		nts: 9/13/2022 through 9/19/2022 MDO				MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft <sup>3</sup>	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	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	97.4	100	0.0	100.0	98.8	1.2	1.2
3/4"		84.4	100	0.0	100.0	92.7	6.1	7.3
1/2"	:	34.7	90	.7	100.0	68.4	24.4	31.6
3/8"		16.7	76	.2	100.0	58.1	10.3	41.9
#4		3.4	13	.4	95.8	42.0	16.1	58.0
#8		2.6	3.	7	83.0	35.2	6.8	64.8
#16		2.2	1.	8	67.7	28.6	6.6	71.4
#30		2.2	1.	3	48.4	20.7	7.8	79.3
#50		2.0	1.	2	23.8	10.7	10.0	89.3
#100		1.8	1.	1	7.2	3.9	6.8	96.1
LBW		1.4	1.	0	1.4	1.3	2.5	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	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

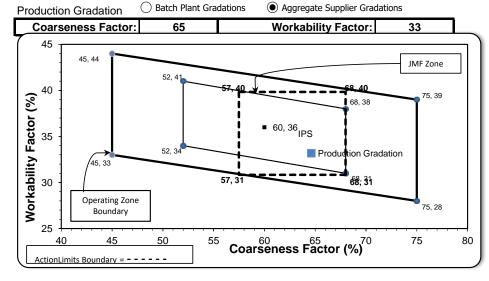
Approved By: Mart P. Ball

PLANT #	<b>#:</b>	P-35					Contractor:		
Sample Date	:	9/12/22			Concrete Grade:	S2M, 3500HP			
Dates Test R	epresents:	9/13/2022	through	9/19/2022			MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft <sup>3</sup>	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	100.0	100	).0	100.0	100.0	0.0	0.0	
3/4"		83.4	100	).0	100.0	91.4	8.6	8.6	1
1/2"		37.2	99	.4	100.0	67.5	23.9	32.5	
3/8"		19.4	83	.8	100.0	56.8	10.7	43.2	*N
#4		2.5	19	.0	98.9	41.4	15.4	58.6	*A
#8		1.8	5.	3	82.0	33.2	8.2	66.8	non
#16		1.6	3.	0	63.9	25.9	7.3	74.1	*%
#30		1.4	2.	3	44.2	18.1	7.8	81.9	non
#50		1.3	2.	1	24.5	10.4	7.7	89.6	*%
#100		1.2	2.		6.2	3.2	7.1	96.8	a 2"
LBW		1.0	1.	8	1.5	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.



Intial Product	tion Sample (IPS	5)	
Coar	seness Factor:	63	
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"	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

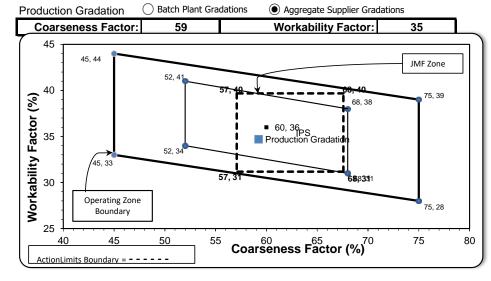
Approved By: Mart P. Ball

PLANT #:		P-36					Contractor:		
Sample Date:		9/12/22			Concrete Grade:	S2M, 3500HP			
Dates Test R	epresents:	9/13/2022	through	9/19/2022			MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft <sup>3</sup>	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 number 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"	100.0		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"		82.6	100	0.0	100.0	91.2	8.8	8.8	1
1/2"		46.4	90	.7	100.0	71.8	19.3	28.2	
3/8"	:	28.5	76	.2	100.0	61.3	10.5	38.7	*
#4	4.8		13.4		97.6	42.2	19.2	57.8	*/
#8	2.6		3.7		83.9	34.7	7.5	65.3	noi
#16		2.3		8	69.1	28.5	6.2	71.5	*0
#30		2.2		3	50.2	21.0	7.5	79.0	noi
#50		2.2	1.	2	20.3	9.2	11.8	90.8	*0
#100		2.1		1	3.3	2.5	6.7	97.5	a 2
LBW		1.8	1.	0	0.4	1.2	1.3	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 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	#100 1.8		98.2					
LBW	0.7	1.0	99.3					

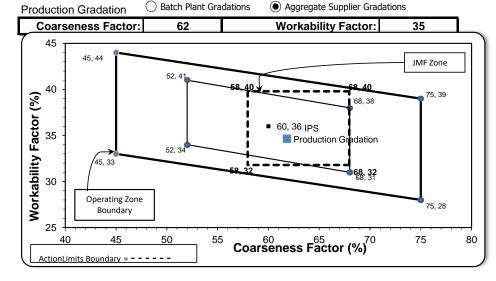
Approved By: Mart 1. Ball

PLANT #:		P-39					Contractor:		
Sample Date:		9/12/22			Concrete Grade:	S2M, 3500HP			
Dates Test R	epresents:	9/13/2022	through	9/19/2022			MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft <sup>3</sup>	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"		98.2	100	).0	100.0	99.1	0.9	0.9	1
3/4"		85.6	100	).0	100.0	92.4	6.6	7.6	
1/2"		43.2	98	.0	100.0	70.1	22.4	29.9	1
3/8"	3/8" 24.6		87	.0	100.0	59.6	10.5	40.4	*M
#4	4.2		24	.6	96.2	43.2	16.4	56.8	*A
#8		2.2	6.8		80.6	34.6	8.6	65.4	nom
#16		1.8	3.	2	65.9	28.2	6.5	71.8	*%
#30		1.7	7 2		50.9	21.9	6.2	78.1	nom
#50		1.6	2.	4	27.6	12.3	9.6	87.7	*%
#100			2.	3	8.4	4.4	7.9	95.6	a 2"
LBW		1.4	2.	0	1.6	1.5	2.9	98.5	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"	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					

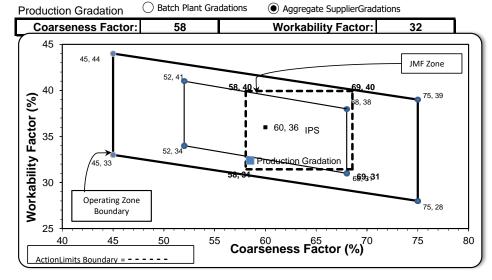
Approved By: Mart P. Ball

PLANT #:		<b>P-O2</b>					Contractor:		
Sample Date:		9/12/22			Concrete Grade:	S2M, 3500HP			
Dates Test R	epresents:	9/13/2022	through	9/19/2022			MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft <sup>3</sup>	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	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	100.0	100	0.0	100.0	100.0	0.0	0.0	
3/4"		82.6	100	0.0	100.0	90.8	9.2	9.2	
1/2"		46.4	90	.7	100.0	70.9	19.8	29.1	
3/8"	:	28.5	76	.2	100.0	60.5	10.5	39.5	*N
#4	4.8		13.4		96.5	42.3	18.1	57.7	*/
#8	2.6		3.7		76.3	32.4	10.0	67.6	noi
#16		2.3		8	59.0	25.1	7.3	74.9	*0
#30		2.2	1.	3	43.6	18.8	6.3	81.2	no
#50		2.2	1.	2	22.5	10.3	8.5	89.7	*0
#100	2.1		1.		6.9	4.0	6.4	96.0	a 2
LBW		1.8	1.	0	0.7	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 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	#50 9.9		90.1					
#100	#100 2.1		97.9					
LBW	0.9	1.2	99.1					

Approved By: Mart P. Ball