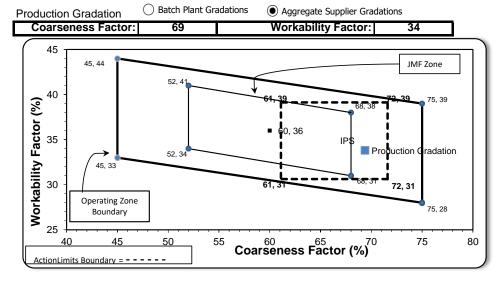
PLANT :	PLANT #: P-101						Contractor:		
Sample Date	):	5/2/22			Concrete Grade:	P1M, 3500HP			
Dates Test Represents:		5/3/2022	through	5/9/2022			MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft <sup>3</sup>	Specific Gravity	% Contribution			
CA	71-47	Presque Isle	1070	6.54	2.62	34.9			
IA	71-47	Presque Isle	800	4.89	2.62	26.1			
2NS	75-051	Mid Michigan	1200	7.23	2.66	39.1			
		Total Wt	3070	18.67		100.0	< Verify this n	umber is 100%	_
Sieve		CA	IA	A	2NS	Cumulative % Passing	% Retained	Cumulative % Retained	
2"	1	100.0	100	0.0	100.0	100.0	0.0	0.0	
1.5"		97.4	100	0.0	100.0	99.1	0.9	0.9	
1"		47.8	100	0.0	100.0	81.8	17.3	18.2	
3/4"		12.8	98	.5	100.0	69.2	12.6	30.8	
1/2"		3.4	79	.4	100.0	61.0	8.3	39.0	
3/8"		2.5	54	.2	100.0	54.1	6.9	45.9	*1
#4		1.9	6.	1	98.5	40.8	13.3	59.2	*/
#8		1.8	2.	4	83.3	33.8	6.9	66.2	noi
#16		1.8	2.	0	68.3	27.8	6.0	72.2	*0
#30		1.7	1.	8	53.3	21.9	6.0	78.1	noi
#50		1.6	1.	7	29.2	12.4	9.5	87.6	*0
#100		1.6	1.	5	7.3	3.8	8.6	96.2	a 2
LBW		1.4	1.	4	0.6	1.1	2.7	98.9	



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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	6)	_
Coars	seness Factor:	66	
Work	ability Factor:	35	
Sieve	Cumulative	%	Cumulative
Sleve	% Passing	Retained	% Retained
2"	100.0	0.0	0.0
1.5"	99.6	0.4	0.4
1"	84.3	15.3	15.7
3/4"	74.8	9.6	25.2
1/2"	64.3	10.4	35.7
3/8"	56.8	7.5	43.2
#4	43.0	13.8	57.0
#8	34.9	8.1	65.1
#16	26.4	8.5	73.6
#30	19.9	6.5	80.1
#50	10.4	9.5	89.6
#100	3.4	7.0	96.6
LBW	1.2	2.2	98.8
	•		•

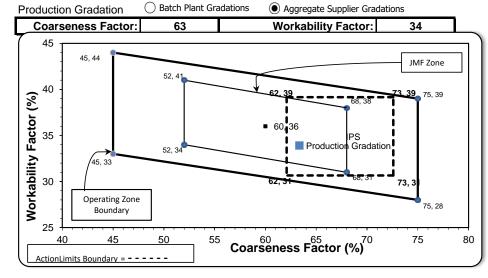


PLANT :	#:	P-102					Contractor:		
Sample Date	):	5/2/22			Concrete Grade:	P1M, 3500HP			
Dates Test R	ates Test Represents: 5/3		through	5/9/2022			MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft <sup>3</sup>	Specific Gravity	% Contribution			
CA	58-003	Stoneco	1370	8.16	2.69	43.9			
IA	58-003	Stoneco	550	3.28	2.69	17.6			
2NS	81-019	Pleasant Lake	1200	7.26	2.65	38.5			
		Total Wt	3120	18.70		100.0	< Verify this n	umber is 100%	_
Sieve		CA	1/	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
1"		67.0	100	0.0	100.0	85.5	14.5	14.5	
3/4"		33.3	100	0.0	100.0	70.7	14.8	29.3	1
1/2"		18.7	91	.8	100.0	62.9	7.9	37.1	
3/8"		11.8	82	2	100.0	58.1	4.7	41.9	*1
#4		2.1	26	5.4	98.5	43.5	14.7	56.5	*/
#8		1.3	6.	.9	83.5	33.9	9.6	66.1	noi
#16		1.2	2.	.9	67.7	27.1	6.8	72.9	*0
#30		1.0	2.	.0	51.4	20.6	6.5	79.4	noi
#50		0.8	1.	7	27.5	11.2	9.3	88.8	*0
#100		0.7	1.		7.6	3.5	7.7	96.5	a 2
LBW		0.6	1.	6	0.9	0.9	2.6	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	eness Factor:	67						
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"	85.5	14.5	14.5					
3/4"	73.4	12.1	26.6					
1/2"	61.0	12.4	39.0					
3/8"	56.2	4.8	43.8					
#4	43.1	13.1	56.9					
#8	34.9	8.2	65.1					
#16	29.4	5.5	70.6					
#30	21.6	7.8	78.4					
#50	8.1	13.4	91.9					
#100	2.2	5.9	97.8					
LBW	1.4	0.8	98.6					

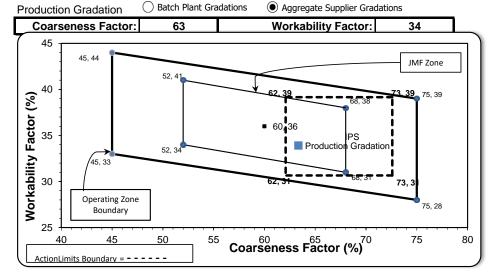
Approved By: Mart 1. Ball

<b>PLANT</b>	#:	P-103					Contractor:		
Sample Date	e:	5/2/22			Concrete Grade:	P1M, 3500HP			
Dates Test F	ates Test Represents:		through	5/9/2022			MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft <sup>3</sup>	Specific	%			
			•	-	Gravity	Contribution			
CA	58-003	Stoneco	1370	8.16	2.69	43.9			
IA	58-003	Stoneco	550	3.28	2.69	17.6			
2NS	81-019	Pleasant Lake	1200	7.26	2.65	38.5			
		Total Wt	3120	18.70		100.0	< Verify this n	umber is 100%	_
Sieve		CA	1/	4	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"		67.0	100	0.0	100.0	85.5	14.5	14.5	
3/4"		33.3	100	0.0	100.0	70.7	14.8	29.3	
1/2"		18.7	91	.8	100.0	62.9	7.9	37.1	
3/8"		11.8	82	2	100.0	58.1	4.7	41.9	*1
#4		2.1	26	5.4	98.5	43.5	14.7	56.5	*/
#8		1.3	6.	.9	83.5	33.9	9.6	66.1	no
#16		1.2	2.	.9	67.7	27.1	6.8	72.9	*0
#30		1.0	2.	.0	51.4	20.6	6.5	79.4	noi
#50		0.8	1.	.7	27.5	11.2	9.3	88.8	*0
#100		0.7	1.	.6	7.6	3.5	7.7	96.5	a 2
LBW		0.6	1.	.6	0.9	0.9	2.6	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 Product	ion Sample (IPS	5)	_
Coar	seness Factor:	67	
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"	85.5	14.5	14.5
3/4"	73.4	12.1	26.6
1/2"	61.0	12.4	39.0
3/8"	56.2	4.8	43.8
#4	43.1	13.1	56.9
#8	34.9	8.2	65.1
#16	29.4	5.5	70.6
#30	21.6	7.8	78.4
#50	8.1	13.4	91.9
#100	2.2	5.9	97.8
LBW	1.4	0.8	98.6

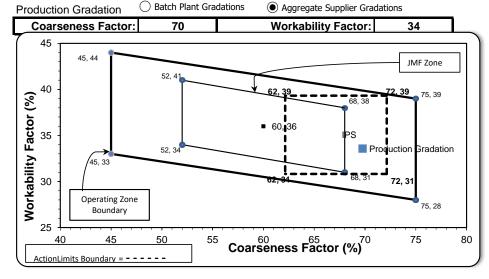
Approved BY: May 1. Ball

PLANT #	#:	P-12					Contractor:		
Sample Date	:	5/2/22			Concrete Grade:	P1M, 3500HP			
Dates Test R	epresents:	5/3/2022	through	5/9/2022			MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft <sup>3</sup>	Specific	%			
Agg. Class	1 IL #	Source	Weight (33D)	-	Gravity	Contribution			
CA	71-47	Presque Isle	970	5.93	2.62	31.6			
IA	71-47	Presque Isle	850	5.20	2.62	27.7			
2NS	63-115	Ray Rd	1250	7.56	2.65	40.7			
		Total Wt	3070	18.69		100.0	< Verify this n	umber is 100%	
Sieve		CA	IA	N	2NS	Cumulative % Passing	% Retained	Cumulative % Retained	
2"	1	00.0	100	).0	100.0	100.0	0.0	0.0	-
1.5"		93.6	100	).0	100.0	98.0	2.0	2.0	
1"		28.1	100	).0	100.0	77.3	20.7	22.7	1
3/4"		2.9	96	.8	100.0	68.4	8.8	31.6	
1/2"		1.2	70	.7	100.0	60.7	7.8	39.3	1
3/8"		1.2	45	.4	100.0	53.7	7.0	46.3	*M
#4		1.2	10	.3	96.4	42.5	11.2	57.5	*A
#8		1.2	5.	2	78.0	33.6	8.9	66.4	nom
#16		1.1	4.	0	61.3	26.4	7.2	73.6	*%
#30		1.1	3.	3	45.7	19.9	6.5	80.1	nom
#50		1.0	2.	9	23.8	10.8	9.1	89.2	*%
#100		1.0	2.	6	4.5	2.9	7.9	97.1	a 2"
LBW		0.7	1.	9	0.9	1.1	1.8	98.9	



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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:	67	
Work	ability Factor:	35	
Sieve	Cumulative	%	Cumulative
Sieve	% Passing	Retained	% Retained
2"	100.0	0.0	0.0
1.5"	99.6	0.4	0.4
1"	83.9	15.7	16.1
3/4"	74.0	9.8	26.0
1/2"	63.7	10.3	36.3
3/8"	56.4	7.3	43.6
#4	43.0	13.4	57.0
#8	35.1	7.9	64.9
#16	29.0	6.1	71.0
#30	20.9	8.0	79.1
#50	8.1	12.8	91.9
#100	1.6	6.5	98.4
LBW	0.9	0.8	99.1

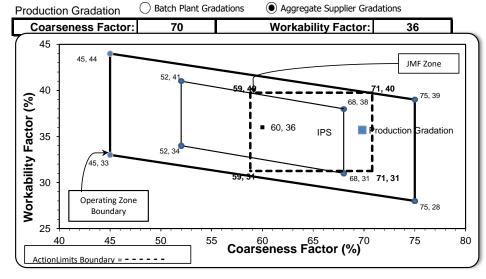
Approved By: Mart 1. Ball

PLANT #	<b>#:</b>	P-32					Contractor:		
Sample Date	:	5/2/22			Concrete Grade:	P1M, 3500HP			
Dates Test R	epresents:	5/3/2022	through	5/9/2022			MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft <sup>3</sup>	Specific Gravity	% Contribution			
CA	71-47	Presque Isle	870	5.32	2.62	28.3			
IA	71-47	Presque Isle	950	5.81	2.62	30.9			
2NS	95-013	Smelter Bay	1250	7.56	2.65	40.7			
		Total Wt	3070	18.69		100.0	< Verify this n	umber is 100%	
Sieve		CA	14	A	2NS	Cumulative % Passing	% Retained	Cumulative % Retained	
2"	1	00.0	100	0.0	100.0	100.0	0.0	0.0	
1.5"	9	93.6	100	0.0	100.0	98.2	1.8	1.8	
1"	:	28.1	100	0.0	100.0	79.6	18.6	20.4	
3/4"		2.9	96	.8	100.0	71.5	8.1	28.5	1
1/2"		1.2	70	.7	100.0	62.9	8.6	37.1	
3/8"		1.2	45	.4	100.0	55.1	7.8	44.9	
#4		1.2	10	.3	95.5	42.4	12.7	57.6	
#8		1.2	5.	2	82.9	35.7	6.7	64.3	no
#16		1.1	4.	0	68.2	29.3	6.4	70.7	1
#30		1.1	3.	3	49.6	21.5	7.8	78.5	n
#50		1.0	2.	9	24.2	11.0	10.5	89.0	4
#100		1.0	2.		7.1	4.0	7.1	96.0	а
LBW		0.7	1.	9	1.6	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	eness Factor:	65						
Work	ability Factor:	36						
Sieve	Cumulative	%	Cumulative					
Sieve	% Passing	Retained	% Retained					
2"	100.0	0.0	0.0					
1.5"	99.0	0.6	0.6					
1"	84.0	15.3	16.0					
3/4"	73.5	10.5	26.5					
1/2"	65.2	8.2	34.8					
3/8"	58.2	7.1	41.8					
#4	44.1	14.1	55.9					
#8	35.5	8.6	64.5					
#16	29.1	6.4	70.9					
#30	21.9	7.3	78.1					
#50	9.6	12.2	90.4					
#100	2.6	7.1	97.4					
LBW	1.0	1.6	99.0					

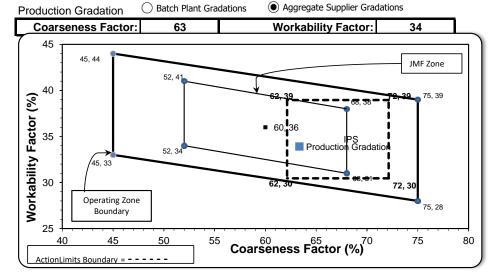
Approved By: Mart P. Ball

PLANT :	#:	P-35					Contractor:		
Sample Date	:	5/2/22			Concrete Grade:	P1M, 3500HP			
Dates Test R		5/3/2022	through	5/9/2022			MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft <sup>3</sup>	Specific Gravity	% Contribution			
CA	58-003	Stoneco	1370	8.16	2.69	43.9			
IA	58-003	Stoneco	550	3.28	2.69	17.6			
2NS	81-019	Pleasant Lake	1200	7.26	2.65	38.5			
		Total Wt	3120	18.70		100.0	< Verify this n	umber is 100%	_
Sieve		CA	IA	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	0.0	100.0	100.0	0.0	0.0	
1"		67.0	100	0.0	100.0	85.5	14.5	14.5	
3/4"		33.3	100	0.0	100.0	70.7	14.8	29.3	
1/2"		18.7	91	.8	100.0	62.9	7.9	37.1	
3/8"		11.8	82	.2	100.0	58.1	4.7	41.9	*N
#4		2.1	26	.4	98.5	43.5	14.7	56.5	*4
#8		1.3	6.	9	83.5	33.9	9.6	66.1	nor
#16		1.2	2.	9	67.7	27.1	6.8	72.9	*9
#30		1.0	2.	0	51.4	20.6	6.5	79.4	nor
#50		0.8	1.	7	27.5	11.2	9.3	88.8	*9
#100		0.7	1.		7.6	3.5	7.7	96.5	a 2
LBW		0.6	1.	6	0.9	0.9	2.6	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 Sample (IPS)								
Coars	eness Factor:	67						
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"	86.9	13.1	13.1					
3/4"	76.1	10.8	23.9					
1/2"	63.7	12.4	36.3					
3/8"	56.2	7.5	43.8					
#4	43.2	13.0	56.8					
#8	34.7	8.5	65.3					
#16	27.5	7.2	72.5					
#30	20.6	7.0	79.4					
#50	9.0	11.6	91.0					
#100	2.1	6.9	97.9					
LBW	1.0	1.1	99.0					

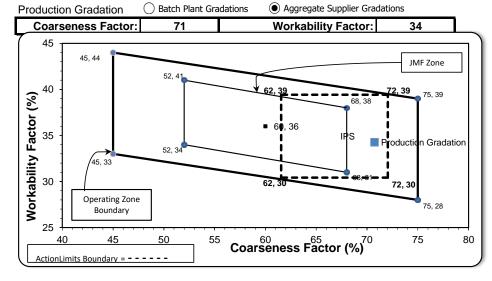
Approved By: Mart 1. Ball

PLANT #	<b>#:</b>	P-36					Contractor:		
Sample Date	:	5/2/22			Concrete Grade:	P1M, 3500HP			
Dates Test R	epresents:	5/3/2022	through	5/9/2022			MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft <sup>3</sup>	Specific	%			
	-				Gravity	Contribution			
CA	71-47	Presque Isle	920	5.63	2.62	30.0			
IA	71-47	Presque Isle	950	5.81	2.62	30.9			
2NS	63-92	Grange Hall	1200	7.26	2.65	39.1			
		Total Wt	3070	18.70		100.0	< Verify this number is 1		
Sieve		CA	14	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	93.6	100	0.0	100.0	98.1	1.9	1.9	
1"		28.1	100	0.0	100.0	78.5	19.6	21.5	
3/4"		2.9	96	.8	100.0	69.9	8.5	30.1	
1/2"		1.2	70	.7	100.0	61.3	8.6	38.7	
3/8"		1.2	45	.4	100.0	53.5	7.8	46.5	*N
#4	1.2		10.3		97.3	41.6	11.9	58.4	*A
#8	1.2		5.2		82.6	34.3	7.3	65.7	non
#16		1.1 4.		0	66.8	27.7	6.6	72.3	*%
#30		1.1	3.		48.6	20.3	7.3	79.7	non
#50		1.0	2.	9	22.6	10.0	10.3	90.0	*%
#100		1.0 2.6		6	3.2	2.4	7.7	97.6	a 2'
LBW		0.7	1.	9	0.4	1.0	1.4	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:	67						
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"	85.0	15.0	15.0					
3/4"	72.1	12.9	27.9					
1/2"	64.5	7.6	35.5					
3/8"	56.5	8.0	43.5					
#4	42.7	13.8	57.3					
#8	34.9	7.8	65.1					
#16	29.0	5.9	71.0					
#30	21.0	8.0	79.0					
#50	#50 8.2		91.8					
#100	1.6	6.5	98.4					
LBW 0.7		0.9	99.3					

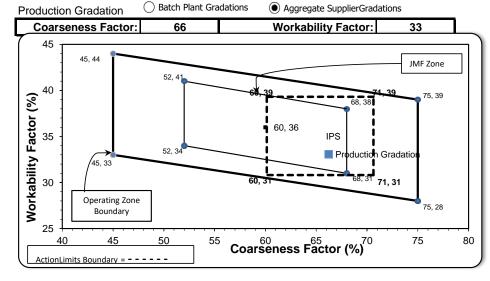
Approved By: Mart 1. Ball

PLANT #:		P-39					Contractor:		
Sample Date	:	5/2/22			Concrete Grade:	P1M, 3500HP			
Dates Test R	epresents:	5/3/2022	through	5/9/2022			MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft <sup>3</sup>	Specific Gravity	% Contribution			
CA	71-47	Presque Isle	1020	6.24	2.62	33.2			
IA	71-47	Presque Isle	800	4.89	2.62	26.1			
2NS	44-051	Krake Willis Rd	1250	7.56	2.65	40.7			
		Total Wt	3070	18.69		100.0	< Verify this n	umber is 100%	_
Sieve		CA	IA	A	2NS	Cumulative % Passing	% Retained	Cumulative % Retained	
2"		100.0	100	0.0	100.0	100.0	0.0	0.0	
1.5"		97.4	100	).0	100.0	99.1	0.9	0.9	
1"		47.8	100	0.0	100.0	82.7	16.5	17.3	
3/4"		12.8	98	.5	100.0	70.6	12.0	29.4	1
1/2"		3.4	79	.4	100.0	62.5	8.1	37.5	
3/8"		2.5	54	.2	100.0	55.7	6.9	44.3	
#4	1.9		6.1		96.4	41.5	14.2	58.5	,
#8		1.8 2		4	78.2	33.1	8.4	66.9	nc
#16		1.8	2.	0	62.2	26.4	6.6	73.6	1
#30		1.7	1.	8	46.2	19.8	6.6	80.2	n
#50		1.6	1.	7	25.1	11.2	8.7	88.8	*
#100		1.6 1		5	8.4	4.3	6.9	95.7	a
LBW		1.4	1.	4	1.0	1.2	3.1	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 Sample (IPS)									
Coars	eness Factor:	65							
Work	ability Factor:	35							
Sieve	Cumulative	%	Cumulative						
Sleve	% Passing	Retained	% Retained						
2"	100.0	0.0	0.0						
1.5"	99.6	0.4	0.4						
1"	83.9	15.7	16.1						
3/4"	74.1	9.8	25.9						
1/2"	64.3	9.7	35.7						
3/8"	57.5	6.8	42.5						
#4	44.5	13.1	55.5						
#8	35.1	9.4	64.9						
#16	27.9	7.2	72.1						
#30	21.7	6.2	78.3						
#50	#50 12.6		87.4						
#100	#100 3.5		96.5						
LBW 1.2		2.4	98.8						

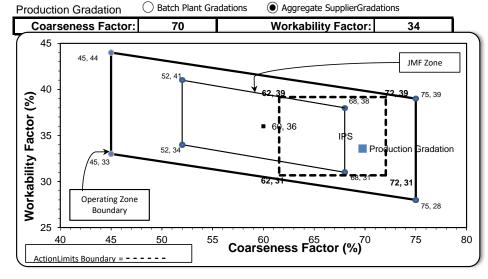
Approved By: Mart P. Ball

PLANT #:		<b>P-O2</b>					Contractor:		
Sample Date	):	5/2/22			Concrete Grade:	P1M, 3500HP			
Dates Test R	epresents:	5/3/2022	through	5/9/2022			MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft <sup>3</sup>	Specific Gravity	% Contribution			
CA	71-47	Presque Isle	970	5.93	2.62	31.6			
IA	71-47	Presque Isle	850	5.20	2.62	27.7			
2NS	63-115	Ray Rd	1250	7.56	2.65	40.7	< Verify this number is 100%		
		Total Wt	3070	18.69		100.0			
Sieve		CA	1/	4	2NS	Cumulative % Passing	% Retained	Cumulative % Retained	
2"	1	00.0	100	0.0	100.0	100.0	0.0	0.0	1
1.5"		93.6	100	0.0	100.0	98.0	2.0	2.0	
1"	:	28.1	100	0.0	100.0	77.3	20.7	22.7	1
3/4"		2.9	96	5.8	100.0	68.4	8.8	31.6	
1/2"		1.2	70	).7	100.0	60.7	7.8	39.3	
3/8"		1.2	45	5.4	100.0	53.7	7.0	46.3	*N
#4	1.2		10.3		96.4	42.5	11.2	57.5	*/
#8	1.2		5.2		78.0	33.6	8.9	66.4	no
#16	1.1		4.0		61.3	26.4	7.2	73.6	*0
#30		1.1	1 3		45.7	19.9	6.5	80.1	no
#50		1.0	2.	.9	23.8	10.8	9.1	89.2	*0
#100		1.0		.6	4.5	2.9	7.9	97.1	a 2
LBW		0.7	1.	.9	0.9	1.1	1.8	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	5)	_	
Coars	eness Factor:	67		
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"	85.0	15.0	15.0	
3/4"	72.3	12.7	27.7	
1/2"	64.5	7.8	35.5	
3/8"	56.5	8.0	43.5	
#4	42.7	13.8	57.3	
#8	34.9	7.8	65.1	
#16	29.0	5.9	71.0	
#30	21.0	8.0	79.0	
#50	8.2	12.8	91.8	
#100	1.6	6.5	98.4	
LBW	0.7	0.9	99.3	

Approved By: Mart 1. Ball