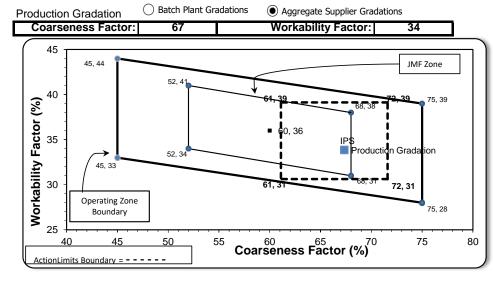
PLANT #: P-		P-101					Contractor:		
Sample Date):	5/9/22			Concrete Grade:	P1M, 3500HP			
Dates Test R	epresents:	5/10/2022	through	5/16/2022			MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution			
CA	71-47	Presque Isle	1070	6.54	2.62	34.9			
IA	71-47	Presque Isle	800	4.89	2.62	26.1			
2NS	75-051	Mid Michigan	1200	7.23	2.66	39.1			
		Total Wt			< Verify this number is 100%				
Sieve		CA	1/	A	2NS	Cumulative % Passing	% Retained	Cumulative % Retained	
2"	1	100.0	100	0.0	100.0	100.0	0.0	0.0	
1.5"		98.5	100	0.0	100.0	99.5	0.5	0.5	
1"		49.1	100	0.0	100.0	82.3	17.2	17.7	
3/4"		13.1	98	.3	100.0	69.3	13.0	30.7	1
1/2"		3.3	81	.1	100.0	61.4	7.9	38.6	38.6
3/8"		2.4	59	.6	100.0	55.5	5.9	44.5	*N
#4		1.8	9.	2	98.5	41.5	13.9	58.5	*A
#8		1.7	2.7		83.3	33.9	7.7	66.1	nor
#16		1.7	2.	2	68.3	27.9	6.0	72.1	*9
#30		1.6	2.	0	53.3	21.9	6.0	78.1	nor
#50		1.6	1.	9	29.2	12.5	9.4	87.5	*9
#100		1.5	1.		7.3	3.8	8.6	96.2	a 2
LBW		1.3	1.	6	0.6	1.1	2.7	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.



Initial Product	ion Sample (IPS	S)	_
Coars	seness Factor:	66	
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"	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

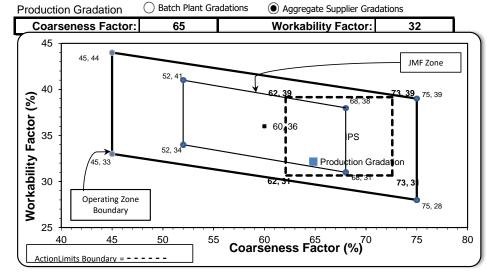
Approved By: Mart 1. Ball

PLANT #: P-102						Contractor:				
Sample Date	:	5/9/22			Concrete Grade:	P1M, 3500HP				
Dates Test R	epresents:	5/10/2022	through	5/16/2022			MDOT No.:			
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	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"		65.2	100	0.0	100.0	84.7	15.3	15.3		
3/4"		36.4	100	0.0	100.0	72.1	12.6	27.9		
1/2"		13.9	91	.9 91.2	91.2 10	100.0	60.6	11.4	39.4	
3/8"		8.0	79	.7	100.0	56.0	4.6	44.0	*	
#4		2.5	21	21.3	96.6	42.0	14.0	58.0	*	
#8		1.6	4.	3	79.8	32.2	9.9	67.8	no	
#16		1.3	2.	0	61.5	24.6	7.6	75.4	*	
#30		1.2	1.	6	43.6	17.6	7.0	82.4	no	
#50		1.0	1.	3	20.9	8.7	8.9	91.3	*	
#100		1.0	1.	1	6.5	3.1	5.6	96.9	a 2	
LBW		0.9	0.	7	0.8	0.8	2.3	99.2	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"	1" 85.5		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	

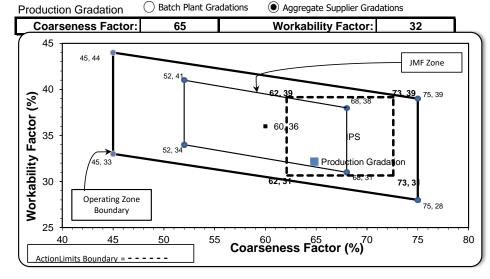
Approved By: Mart 1. Ball

PLANT #: P-103						Contractor:			
Sample Date	:	5/9/22			Concrete Grade:	P1M, 3500HP			
Dates Test R	epresents:	5/10/2022	through	5/16/2022			MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	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"		65.2	100	0.0	100.0	84.7	15.3	15.3	
3/4"		36.4	100	0.0	100.0	72.1	12.6	27.9	1
1/2"		13.9	91	.2	100.0	60.6	11.4	39.4	
3/8"		8.0	79	.7	100.0	56.0	4.6	44.0	*
#4		2.5 21.3 96.6	42.0	14.0	58.0	*			
#8		1.6	4.	3	79.8	32.2	9.9	67.8	no
#16		1.3	2.0	2.0 61.5	24.6	7.6	75.4	*(
#30		1.2	1.	6	43.6	17.6	7.0	82.4	no
#50		1.0	1.	3	20.9	8.7	8.9	91.3	*(
#100		1.0	1.		6.5	3.1	5.6	96.9	a 2
LBW		0.9	0.	7	0.8	0.8	2.3	99.2	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.



Workabil Sieve Ci 2" 1.5"	ss Factor: ity Factor: umulative Passing 100.0 100.0	67 35 % Retained 0.0 0.0	Cumulative % Retained
Sieve Ci % 2" 1.5"	umulative Passing 100.0 100.0	% Retained 0.0	% Retained 0.0
Sieve % 2" 1.5"	Passing 100.0 100.0	Retained 0.0	% Retained 0.0
2" 1.5"	100.0 100.0	0.0	0.0
 1.5"	100.0		
-		0.0	
		0.0	0.0
1"	85.5	14.5	14.5
3/4"	73.4	12.1	26.6
1/2"	1/2" 61.0		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

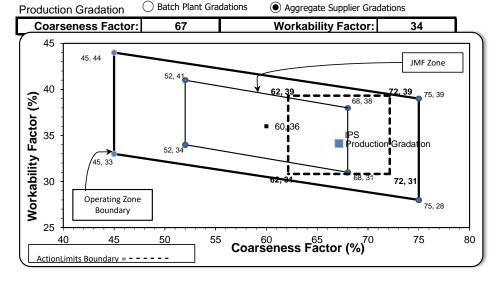
Approved BY: May 1. Ball

PLANT #	#:	P-12					Contractor:		
Sample Date	:	5/9/22			Concrete Grade:	P1M, 3500HP			
Dates Test R	epresents:	5/10/2022	through	5/16/2022			MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution			
CA	71-47	Presque Isle	1170	7.16	2.62	38.1			
IA	71-47	Presque Isle	650	3.98	2.62	21.2			
2NS	63-115	Ray Rd	1250	7.56	2.65	40.7			
		Total Wt				< Verify this number 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
1.5"	1	00.0	100	0.0	100.0	100.0	0.0	0.0	1
1"	(67.2	100	0.0	100.0	87.5	12.5	12.5	1
3/4"	:	34.0	97	.9	100.0	74.4	13.1	25.6	1
1/2"		11.4	80	.3	100.0	62.1	12.3	37.9	
3/8"		6.5	59	.4	100.0	55.8	6.3	44.2	*٨
#4		3.7	15.5	96.2	43.9	11.9	56.1	*A	
#8		3.0	4.	8	78.5	34.1	9.7	65.9	nor
#16		2.6	2.	9	62.5	27.1	7.1	72.9	*9
#30		2.4	2.	4	46.8	20.5	6.6	79.5	nor
#50		2.2	2.	1	24.2	11.1	9.3	88.9	*9
#100		2.0	1.		4.3	2.9	8.2	97.1	a 2
LBW		1.2	0.	5	0.8	0.9	2.0	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:	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	#50 8.1		91.9
#100	1.6	6.5	98.4
LBW	0.9	0.8	99.1

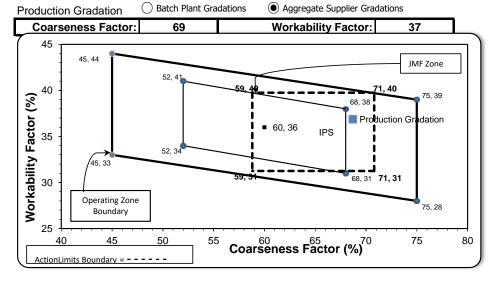
Approved By: Mart 1. Ball

PLANT #	#:	P-32					Contractor:		
Sample Date	:	5/9/22			Concrete Grade:	P1M, 3500HP			
Dates Test R	epresents:	5/10/2022	through	5/16/2022			MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution			
CA	71-47	Presque Isle	1120	6.85	2.62	36.5			
IA	71-47	Presque Isle	700	4.28	2.62	22.8			
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	IA	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"		67.2	100	0.0	100.0	88.0	12.0	12.0	
3/4"	:	34.0	97	.9	100.0	75.4	12.6	24.6	1
1/2"		11.4	80.3		63.2	12.3	36.8		
3/8"		6.5	59	.4	100.0	56.6	6.6	43.4	*
#4		3.7		15.5	97.2	44.5	12.2	55.5	*
#8		3.0	4.	8	85.2	36.9	7.6	63.1	nc
#16		2.6	2.9		70.8	30.4	6.4	69.6	*
#30		2.4	2.	4	51.8	22.5	7.9	77.5	no
#50		2.2	2.	1	25.3	11.6	10.9	88.4	*
#100		2.0	1.		7.4	4.2	7.4	95.8	a 2
LBW		1.2	0.	5	1.7	1.2	2.9	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)	
Coars	seness Factor:	65	
Worl	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

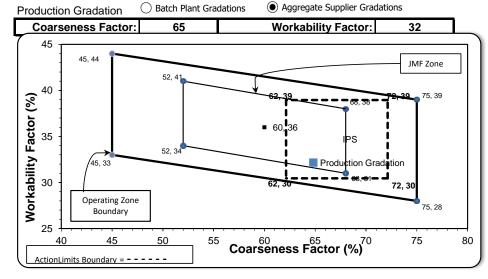
Approved By: Mart P. Ball

PLANT :	#:	P-35					Contractor:		
Sample Date	:	5/9/22			Concrete Grade:	P1M, 3500HP			
Dates Test R	epresents:	5/10/2022	through	5/16/2022			MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	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	I/	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	10	0.0	100.0	100.0	0.0	0.0	1
1"		65.2	10	0.0	100.0	84.7	15.3	15.3	
3/4"		36.4	10	0.0	100.0	72.1	12.6	27.9	
1/2"		13.9	91	.2	100.0	60.6	11.4	39.4	
3/8"		8.0	79).7	100.0	56.0	4.6	44.0	*N
#4		2.5	21.3	96.6	42.0	14.0	58.0	*A	
#8		1.6	4.	.3	79.8	32.2	9.9	67.8	nor
#16		1.3	2.	.0	61.5	24.6	7.6	75.4	*%
#30		1.2 1.6	1.2 1.6 43.6	43.6	17.6	7.0	82.4	nor	
#50		1.0	1.	.3	20.9	8.7	8.9	91.3	*%
#100		1.0	1.		6.5	3.1	5.6	96.9	a 2
LBW		0.9	0.	.7	0.8	0.8	2.3	99.2	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	
Sleve	% Passing	Retained	% Retained	
2"	100.0	0.0	0.0	
1.5"	1.5" 100.0		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	

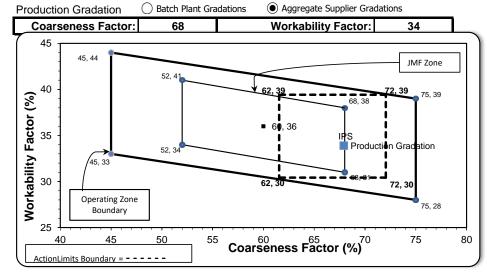
Approved By: Mart 1. Ball

PLANT #:		P-36					Contractor:		
Sample Date	:	5/9/22			Concrete Grade:	P1M, 3500HP			
Dates Test R	epresents:	5/10/2022	through	5/16/2022			MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution			
CA	71-47	Presque Isle	1170	7.16	2.62	38.1			
IA	71-47	Presque Isle	700	4.28	2.62	22.8			
2NS	63-92	Grange Hall	1200	7.26	2.65	39.1			
		Total Wt	3070	18.70		100.0	< Verify this n	umber is 100%	_
Sieve		CA	IA	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"		67.2	100.0		100.0	87.5	12.5	12.5	1
3/4"	:	34.0	97	.9	100.0	74.4	13.1	25.6	1
1/2"		11.4	80	.3	100.0	61.7	12.6	38.3	
3/8"		6.5	59	.4	100.0	55.1	6.6	44.9	*
#4	3.7		15.5		96.3	42.6	12.5	57.4	*,
#8	3.0		4.8		81.0	33.9	8.7	66.1	no
#16		2.6		9	65.3	27.2	6.7	72.8	*(
#30		2.4		4	46.6	19.7	7.5	80.3	no
#50		2.2	2.	1	20.9	9.5	10.2	90.5	*0
#100	2.0		1.		3.0	2.3	7.1	97.7	a 2
LBW		1.2	0.	5	0.6	0.8	1.5	99.2	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)								
Coarse	eness Factor:	67							
Worka	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"	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	#30 21.0		79.0						
#50	#50 8.2		91.8						
#100	#100 1.6		98.4						
LBW 0.7		0.9	99.3						

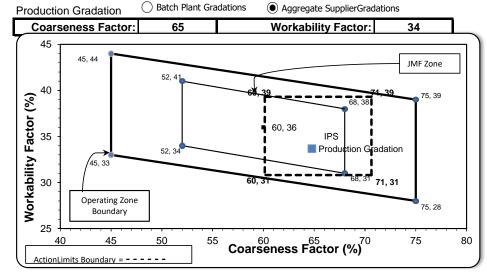
Approved By: Mart 1. Ball

PLANT #:		P-39					Contractor:		
Sample Date	:	5/9/22			Concrete Grade:	P1M, 3500HP			
Dates Test R	epresents:	5/10/2022	through	5/16/2022			MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	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 number is 100		_
Sieve		CA	IA	A	2NS	Cumulative % Passing	% Retained	Cumulative % Retained	
2"	·	100.0	100.0		100.0	100.0	0.0	0.0	
1.5"		98.5	100.0		100.0	99.5	0.5	0.5	1
1"	49.1		100.0		100.0	83.1	16.4	16.9	
3/4"		13.1	98	.3	100.0	70.7	12.4	29.3	1
1/2"		3.3	81	.1	100.0	62.9	7.7	37.1	
3/8"		2.4	59.6		100.0	57.0	5.9	43.0	*
#4	1.8		9.2		96.5	42.3	14.8	57.7	*
#8	1.7		2.7		79.6	33.7	8.6	66.3	no
#16		1.7 2		2	63.2	26.9	6.8	73.1	*
#30		1.6		0	47.0	20.2	6.7	79.8	no
#50		1.6	1.	9	26.4	11.8	8.4	88.2	*
#100	1.5		1.	8	9.6	4.9	6.9	95.1	a 2
LBW		1.3	1.	6	1.0	1.3	3.6	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:	65	
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"	74.1	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	#30 21.7		78.3
#50	#50 12.6		87.4
#100	#100 3.5		96.5
LBW 1.2		2.4	98.8

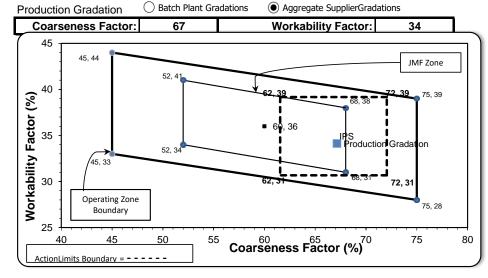
Approved By: Mart 1. Ball

PLANT #:		P-O2					Contractor:		
Sample Date):	5/9/22			Concrete Grade:	P1M, 3500HP			
Dates Test R	epresents:	5/10/2022	through	5/16/2022			MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution			
CA	71-47	Presque Isle	1170	7.16	2.62	38.1			
IA	71-47	Presque Isle	650	3.98	2.62	21.2	1		
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	L.	4	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		100.0	100.0	0.0	0.0	
1"		67.2	10	0.0	100.0	87.5	12.5	12.5	
3/4"	:	34.0	97	' .9	100.0	74.4	13.1	25.6	
1/2"		11.4	80).3	100.0	62.1	12.3	37.9	_
3/8"		6.5	59	9.4	100.0	55.8	6.3	44.2	*
#4	3.7		15.5		96.2	43.9	11.9	56.1	*
#8	3.0		4.8		78.5	34.1	9.7	65.9	no
#16		2.6	2		62.5	27.1	7.1	72.9	*
#30		2.4			46.8	20.5	6.6	79.5	no
#50		2.2	2.1	24.2	11.1	9.3	88.9	*	
#100		2.0		.8	4.3	2.9	8.2	97.1	a :
LBW	1.2		0.	.5	0.8	0.9	2.0	99.1	



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*Maximum % Retained must be above the 3/8" sieve.
*Any two adjacent sieves must equal 10% except max., nom. max., #100 and #200 sieves.
*% Retained must be at least 4% for each sieve except max., nom. max., #100 and #200 sieves.
*% Retained must be at least 8% for the 1" sieve when 12" 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	#30 21.0		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