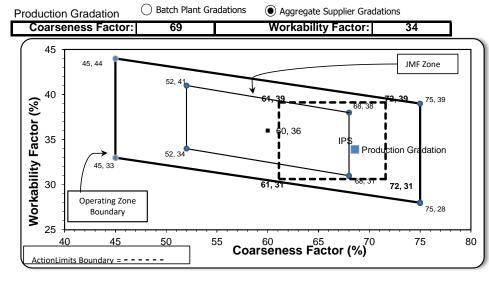
PLANT #	#:	P-101					Contractor:		
Sample Date	:	9/20/21			Concrete Grade:	P1M			
Dates Test R	epresents:	9/21/2021	through	9/27/2021			MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific	%			
		oource	- · · ·		Gravity	Contribution			
CA	71-47	Presque Isle	1070	6.54	2.62	34.9			
IA	71-47	Presque 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	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"		96.6	100	0.0	100.0	98.8	1.2	1.2	
1"		46.9	100	0.0	100.0	81.5	17.3	18.5	
3/4"		12.7	99	.0	100.0	69.3	12.2	30.7	
1/2"		3.7	80	.0	100.0	61.2	8.1	38.8	٦
3/8"		2.7	56	.2	100.0	54.7	6.6	45.3	*
#4		2.1	10	.9	99.0	42.3	12.4	57.7	۲
#8		1.9	2.	2.8		33.9	8.4	66.1	no
#16		1.8	2.	2.0		27.5	6.5	72.5	*
#30		1.8	1.	8	51.5	21.2	6.2	78.8	nc
#50		1.7	1.	6	25.3	10.9	10.3	89.1	*
#100		1.6	1.	6	5.9	3.3	7.6	96.7	a
LBW		1.4	1.	4	0.7	1.1	2.2	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	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

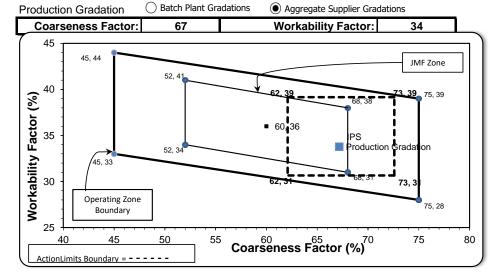


PLANT #	#:	P-102					Contractor:		
Sample Date	- -	9/20/21			Concrete Grade:	P1M			
Dates Test R	epresents:	9/21/2021	through	9/27/2021			MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution			
CA	58-003	Stoneco	1420	8.46	2.69	45.5			
IA	58-003	Stoneco	500	2.98	2.69	16.0			
2NS	63-114	Highland	1200	7.26	2.65	38.5			
		Total Wt	3120	18.70		100.0	< Verify this n	umber is 100%	_
Sieve		CA	I/	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"	1	00.0	100	0.0	100.0	100.0	0.0	0.0	
1"	6	67.6	10	0.0	100.0	85.3	14.7	14.7	
3/4"	4	47.8	100	0.0	100.0	76.2	9.0	23.8	
1/2"	1	15.6	93	3.3	100.0	60.5	15.7	39.5	
3/8"		8.4	82	2.6	100.0	55.5	5.0	44.5	*
#4		2.0	26	6.4	98.8	43.1	12.4	56.9	*
#8		1.2	7.	.0	83.5	33.8	9.4	66.2	nc
#16		1.0	2.	.8	66.2	26.4	7.4	73.6	*
#30		0.8	2.	.0	47.0	18.8	7.6	81.2	nc
#50		0.8	1.	.8	20.4	8.5	10.3	91.5	*
#100		0.7	1.	.6	4.4	2.3	6.2	97.7	a
LBW		0.6	1.	.4	0.8	0.8	1.5	99.2]



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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 Producti	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"	85.5	14.5	14.5
3/4"	3/4" 73.4		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

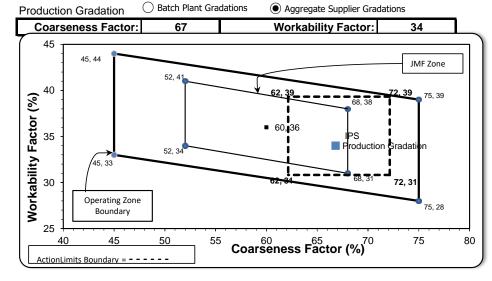
Approved By: Mart P. Ball

PLANT #	#:	P-12					Contractor:																									
Sample Date	:	9/20/21			Concrete Grade:	P1M																										
Dates Test R	epresents:	9/21/2021	through	9/27/2021			MDOT No.:																									
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific	%																										
		oource		-	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	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	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	95.5	100	0.0	100.0	98.5	1.5	1.5	1																							
1"		50.0	100	0.0	100.0	83.4	15.1	16.6	1																							
3/4"		18.3	99	.6	100.0	72.8	10.6	27.2																								
1/2"		8.4	84.4	84.4	84.4	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84					84	.4	100.0	65.5	7.3	34.5	1
3/8"		6.4	50	.1	100.0	55.9	9.6	44.1																								
#4		4.1	15	.8	95.7	44.4	11.5	55.6																								
#8		3.2	3.	4	78.7	34.0	10.5	66.0	n																							
#16	2.9		2.	1	63.0	27.2	6.8	72.8																								
#30		2.7	1.	8	47.9	20.9	6.3	79.1	n																							
#50		2.5	1.	7	26.9	12.2	8.6	87.8																								
#100		2.3	1.	6	6.1	3.7	8.6	96.3	а																							
LBW		1.5	1.	2	0.8	1.1	2.5	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.



Coarse		Intial Production Sample (IPS)									
Coarse	eness Factor:	67									
Worka	bility 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								

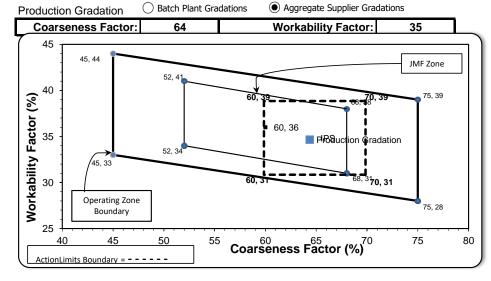
Approved By: Mart 1. Ball

PLANT #	#:	P-20					Contractor:		
Sample Date:	:	9/20/21			Concrete Grade:	P1M			
Dates Test R	epresents:	9/21/2021	through	9/27/2021			MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific	% Contribution			
CA	71-47	Presque Isle	1020	6.24	Gravity 2.62	Contribution 33.2			
IA	71-47	Presque Isle	850	5.20	2.62	27.7			
2NS	63-92	Grange Hall	1200	7.26	2.65	39.1			
2.10	00 02	Total Wt	3070	18.70		100.0	< Verify this n	umber is 100%	
Sieve		CA	I/	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"	ļ	97.0	100	0.0	100.0	99.0	1.0	1.0	
1"		49.0	100	0.0	100.0	83.1	15.9	16.9	
3/4"		11.7	98	5.5	100.0	70.2	12.8	29.8	1
1/2"		3.2	85	85.4 100.0	63.8	6.5	36.2		
3/8"		2.5	65	5.1	100.0	57.9	5.9	42.1	
#4		2.0	13	5.9	97.7	42.7	15.2	57.3	
#8		1.8	3.	.3	84.8	34.7	8.0	65.3	n
#16		1.7	1.	.9	69.5	28.3	6.4	71.7	
#30		1.6	1.	.7	50.4	20.7	7.6	79.3	n
#50		1.6	1.	.6	22.5	9.8	10.9	90.2	
#100		1.5	1.	.5	3.7	2.4	7.4	97.6	а
LBW		1.3	1.	4	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)									
Coarse	eness Factor:	65								
Worka	ability Factor:	35								
Sieve	Cumulative	%	Cumulative							
Sieve	% Passing	Retained	% Retained							
2"	100.0	0.0	0.0							
1.5"	99.1	0.9	0.9							
1"	80.8	18.2	19.2							
3/4"	3/4" 71.3		28.7							
1/2"	64.0	7.3	36.0							
3/8"	57.7	6.2	42.3							
#4	42.8	15.0	57.2							
#8	34.8	7.9	65.2							
#16	28.4	6.4	71.6							
#30	20.2	8.2	79.8							
#50	7.6	12.6	92.4							
#100	1.6	6.0	98.4							
LBW	LBW 1.0		99.0							

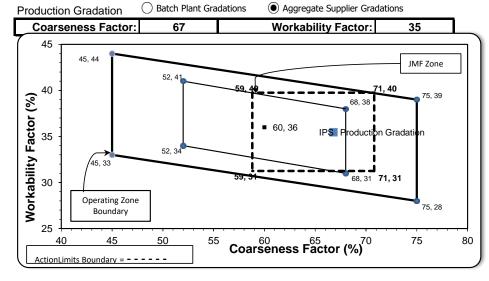
Approved By: Mart P. Ball

PLANT #	#:	P-32					Contractor:							
Sample Date	:	9/20/21			Concrete Grade:	P1M								
Dates Test R	epresents:	9/21/2021	through	9/27/2021			MDOT No.:							
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution								
CA	71-47	Presque Isle	950	5.81	2.62	30.9								
IA	71-47	Presque Isle	870	5.32	2.62	28.3								
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	1/	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"		95.5	100	0.0	100.0	98.6	1.4	1.4						
1"		50.0	100	0.0	100.0	84.5	14.1	15.5						
3/4"		18.3	99	99	96	99	96	99	.6	100.0	74.6	9.9	25.4	
1/2"		8.4	84	.4	100.0	67.2	7.4	32.8						
3/8"		6.4	50).1	100.0	56.9	10.3	43.1	*					
#4		4.1	15	5.8	95.0	44.4	12.5	55.6	*					
#8		3.2	3.	.4	82.3	35.5	9.0	64.5	no					
#16		2.9	2.	.1	67.3	28.9	6.6	71.1	*					
#30		2.7	1.	.8	49.4	21.5	7.4	78.5	no					
#50		2.5	1.	7	25.2	11.5	9.9	88.5	*					
#100		2.3	1.	.6	8.2	4.5	7.0	95.5	a 2					
LBW		1.5	1.	.2	1.6	1.5	3.0	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)									
Coarse	eness Factor:	65							
Worka	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"	3/4" 73.5		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	LBW 1.0		99.0						

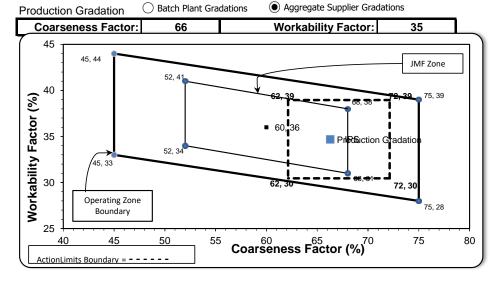
Approved By: Mary P. Ball

PLANT :	#:	P-35					Contractor:		
Sample Date	:	9/20/21			Concrete Grade:	P1M			
Dates Test R	epresents:	9/21/2021	through	9/27/2021			MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific	%			
•••	50.000	01000		0.40	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	81-093	Burmeister	1200	7.26	2.65	38.5			
		Total Wt	3120	18.70		100.0	< Verify this n	umber is 100%	-
Sieve		CA	I/	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	10	0.0	100.0	100.0	0.0	0.0	
1"	(67.6	10	0.0	100.0	85.8	14.2	14.2	
3/4"	4	47.8	10	0.0	100.0	77.1	8.7	22.9	1
1/2"		15.6	93	3.3	100.0	61.8	15.3	38.2	
3/8"		8.4	82	2.6	100.0	56.7	5.0	43.3	*
#4		2.0	26	6.4	98.8	43.5	13.2	56.5	*,
#8		1.2	7.	.0	85.6	34.7	8.8	65.3	no
#16		1.0	2	.8	68.5	27.3	7.4	72.7	*0
#30		0.8	2	.0	48.2	19.2	8.0	80.8	no
#50		0.8	1.	.8	15.0	6.4	12.8	93.6	*0
#100		0.7	1.	.6	1.9	1.3	5.1	98.7	a 2
LBW		0.6	1.	.4	0.5	0.7	0.6	99.3	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:	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"	86.9	13.1	13.1
3/4"	3/4" 76.1		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

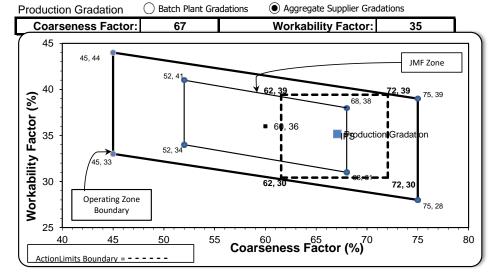
Approved By: Mart 1. Ball

PLANT #:		P-36					Contractor:		
Sample Date	:	9/20/21			Concrete Grade:	P1M			
Dates Test R	epresents:	9/21/2021	through	9/27/2021			MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific	% Contribution			
CA	71-47	Presque Isle	920	5.63	Gravity 2.62	Contribution 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			
2110	00 02	Total Wt		18.70	2.00	100.0	< Verify this n	umber is 100%	
Sieve		CA	1/	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"		95.5	100	0.0	100.0	98.7	1.3	1.3	
1"		50.0	100.0		100.0	85.0	13.6	15.0	1
3/4"		18.3	99	.6	100.0	75.4	9.6	24.6	1
1/2"		8.4	84	.4	100.0	67.7	7.7	32.3	
3/8"		6.4	50).1	100.0	56.5	11.2	43.5	
#4	4.1		15.8		97.7	44.3	12.2	55.7	
#8	3.2		3.4		84.8	35.2	9.1	64.8	n
#16	2.9		2.1		69.5	28.7	6.5	71.3	
#30	2.7		1.8		50.4	21.1	7.6	78.9	n
#50	2.5		1.	.7	22.5	10.1	11.0	89.9	
#100	2.3		1.	.6	3.7	2.6	7.4	97.4	а
LBW		1.5	1.	.2	0.4	1.0	1.7	99.0	T



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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	8.2	12.8	91.8						
#100	1.6	6.5	98.4						
LBW	0.7	0.9	99.3						

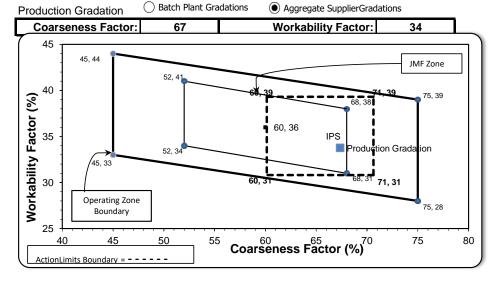
Approved By: Mart P. Ball

PLANT :	#:	P-39					Contractor:		
Sample Date	:	9/20/21			Concrete Grade:	P1M			
Dates Test R	epresents:	9/21/2021	through	9/27/2021			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	750	4.59	2.62	24.4			
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		СА	IJ	A	2NS	Cumulative % Passing	% Retained	Cumulative % Retained	
2"		100.0	10	0.0	100.0	100.0	0.0	0.0	
1.5"		96.6	10	0.0	100.0	98.8	1.2	1.2	
1"		46.9	10	0.0	100.0	81.5	17.3	18.5	
3/4"		12.7	99	9.0	100.0	69.3	12.2	30.7	
1/2"		3.7	80).0	100.0	61.6	7.8	38.4	
3/8"		2.7	56	6.2	100.0	55.4	6.2	44.6	*N
#4		2.1	10).9	97.4	43.1	12.3	56.9	*/
#8		1.9	2	.8	79.6	33.8	9.3	66.2	no
#16		1.8	2	.0	63.6	27.0	6.7	73.0	*0
#30	1.8		1.8		48.4	20.8	6.2	79.2	no
#50	1.7		1.6		26.7	11.9	8.9	88.1	*0
#100	1.6		1.	.6	8.9	4.6	7.3	95.4	a 2
LBW		1.4	1.	.4	1.2	1.3	3.3	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	21.7	6.2	78.3
#50	12.6	9.1	87.4
#100	3.5	9.1	96.5
LBW	1.2	2.4	98.8

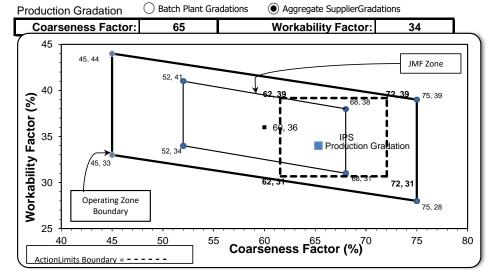


PLANT #	#:	P-O2					Contractor:		
Sample Date	:	9/20/21			Concrete Grade:	P1M			
Dates Test R	epresents:	9/21/2021	through	9/27/2021			MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific	%			
			_		Gravity	Contribution			
CA	71-47	Presque Isle	950	5.81	2.62	30.9			
IA	71-47	Presque Isle	870	5.32	2.62	28.3			
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	IJ	4	2NS	Cumulative % Passing	% Retained	Cumulative % Retained	
2"	1	100.0	10	0.0	100.0	100.0	0.0	0.0	
1.5"	1	95.5	10	0.0	100.0	98.6	1.4	1.4	
1"		50.0	10	0.0	100.0	84.5	14.1	15.5	
3/4"		18.3	99	9.6	100.0	74.6	9.9	25.4	1
1/2"		8.4	84	.4	100.0	67.2	7.4	32.8	1
3/8"		6.4	50).1	100.0	56.9	10.3	43.1	*
#4		4.1	15	5.8	95.7	44.7	12.2	55.3	*
#8		3.2	3.	.4	78.7	34.0	10.7	66.0	no
#16		2.9	2	.1	63.0	27.1	6.9	72.9	*(
#30	2.7		1.8		47.9	20.8	6.3	79.2	no
#50	2.5		1.7		26.9	12.2	8.6	87.8	*
#100	2.3		1.	.6	6.1	3.6	8.6	96.4	a 2
LBW		1.5	1.	.2	0.8	1.1	2.5	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., 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	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: North Ball