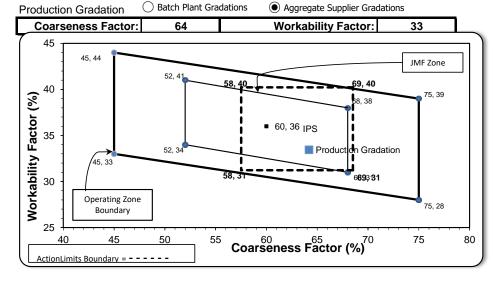
PLANT :	#:	P-102					Contractor:		
Sample Date	•:	8/30/21			Concrete Grade:	S2M			
Dates Test R	epresents:	8/31/2021	through	9/6/2021			MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution			
6AA	58-003	Stoneco	1600	9.53	2.69	51.6			
26A	58-003	Stoneco	290	1.73	2.69	9.4			
2NS	63-114	Highland	1210	7.32	2.65	39.0			
		Total Wt	3100	18.58		100.0	< Verify this n	umber is 100%	_
Sieve	e	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	99.8	10	0.0	100.0	99.9	0.1	0.1	
3/4"	8	30.6	10	0.0	100.0	90.0	9.9	10.0	1
1/2"	2	11.6	99	9.6	100.0	69.8	20.2	30.2	
3/8"	2	20.2	83	3.6	100.0	57.3	12.5	42.7	*
#4		3.2	11	.4	98.6	41.2	16.1	58.8	*/
#8		1.3	3	.2	83.2	33.4	7.8	66.6	no
#16		0.8	2	.1	67.0	26.8	6.7	73.2	*0
#30		0.7	1.	.8	49.1	19.7	7.1	80.3	no
#50		0.7	1.	.5	21.9	9.0	10.6	91.0	*(
#100		0.5		.5	4.7	2.2	6.8	97.8	a 2
LBW		0.6	1.	.2	0.9	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 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"	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					

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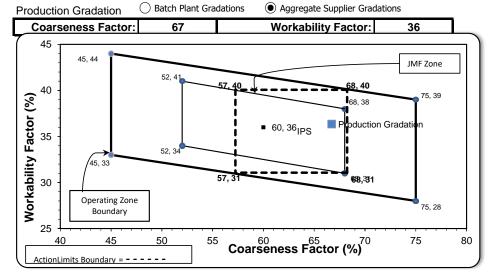
Approved By: Mart P. Ball

PLANT #: P-20						Contractor:			
Sample Date	:	8/30/21			Concrete Grade:	S2M			
Dates Test R	epresents:	8/31/2021	through	9/6/2021			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	250	1.53	2.62	8.2			
2NS	63-92	Grange Hall	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"	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	97.8	100	0.0	100.0	98.9	1.1	1.1	
3/4"		80.0	100	0.0	100.0	89.8	9.0	10.2	1
1/2"		38.5	97	.3	100.0	68.5	21.3	31.5	
3/8"		17.9	91	.0	100.0	57.5	11.0	42.5	*N
#4		1.8	27	.8	98.1	43.4	14.1	56.6	*/
#8		1.6	6.	1	85.5	36.4	7.0	63.6	nor
#16		1.5	2.	6	70.6	29.9	6.4	70.1	*9
#30		1.4	2.	2	51.9	22.2	7.7	77.8	nor
#50		1.3	2.	0	21.6	9.7	12.5	90.3	*9
#100		1.3	1.	9	3.6	2.3	7.4	97.7	a 2
LBW		1.2	1.	8	0.4	0.9	1.4	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:	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"	93.3	6.7	6.7					
1/2"	70.6	22.6	29.4					
3/8"	59.6	11.0	40.4					
#4	43.9	15.7	56.1					
#8	35.6	8.4	64.4					
#16	28.4	7.2	71.6					
#30	19.4	9.0	80.6					
#50	7.5	11.9	92.5					
#100	0.9	6.6	99.1					
LBW	0.9	0.1	99.1					

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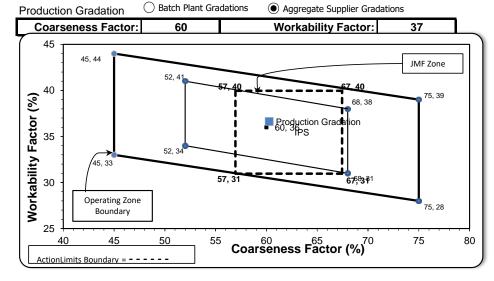
Approved By: Mart 1. Ball

PLANT #	#:	P-32					Contractor:		
Sample Date	:	8/30/21			Concrete Grade:	S2M			
Dates Test R	epresents:	8/31/2021	through	9/6/2021			MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution			
6AA	71-47	Presque Isle	1650	10.09	2.62	54.1			
26A	71-47	Presque Isle	170	1.04	2.62	5.6			
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
1"	1	00.0	10	0.0	100.0	100.0	0.0	0.0	1
3/4"		87.6	10	0.0	100.0	93.3	6.7	6.7	
1/2"		52.9	97	. .2	100.0	74.4	18.9	25.6	
3/8"	:	31.0	84	.5	100.0	61.8	12.6	38.2	*
#4		6.1	20).1	97.1	43.6	18.2	56.4	*
#8		3.1	5.	.6	85.9	36.6	6.9	63.4	nc
#16		2.5	2.	.8	69.3	29.5	7.2	70.5	*
#30		2.4	2.	.3	49.5	21.4	8.1	78.6	nc
#50		2.2	2.	.1	22.5	10.4	11.0	89.6	*
#100		2.1	1.	.9	5.9	3.6	6.8	96.4	a 2
LBW		1.7	1.	.4	0.6	1.2	2.4	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 Product	ion Sample (IPS	5)	
Coars	seness Factor:	62	
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"	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

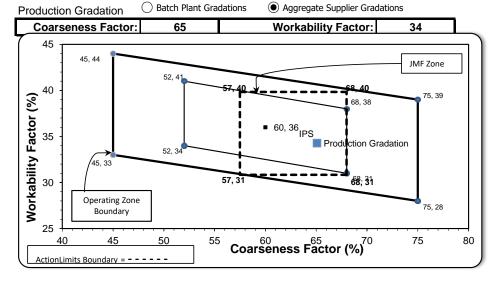
Approved By: Mart P. Ball

PLANT #	#:	P-35					Contractor:		
Sample Date):	8/30/21			Concrete Grade:	S2M			
Dates Test R	epresents:	8/31/2021	through	9/6/2021			MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific	%			
Agg. Olass	110#	oource	Weight (SSD)	п	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	81-093	Burmeister	1200	7.26	2.65	38.7			
		Total Wt	3100	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"	ç	99.8	10	0.0	100.0	99.9	0.1	0.1	
3/4"	8	80.6	10	0.0	100.0	90.0	9.9	10.0	1
1/2"	4	41.6	99	.6	100.0	69.8	20.2	30.2	
3/8"		20.2	83	5.6	100.0	57.2	12.6	42.8	*
#4		3.2	11	.4	99.1	41.1	16.1	58.9	*
#8		1.3	3.	.2	86.0	34.3	6.8	65.7	no
#16		0.8	2.	.1	68.0	26.9	7.3	73.1	*(
#30		0.7	1.	.8	47.1	18.8	8.2	81.2	no
#50		0.7	1.	.5	15.4	6.5	12.3	93.5	*(
#100		0.5	1.	.5	2.2	1.3	5.2	98.7	a 2
LBW		0.6	1.	.2	0.7	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 Production Sample (IPS)								
Coars	eness Factor:	63						
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"	99.2	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					

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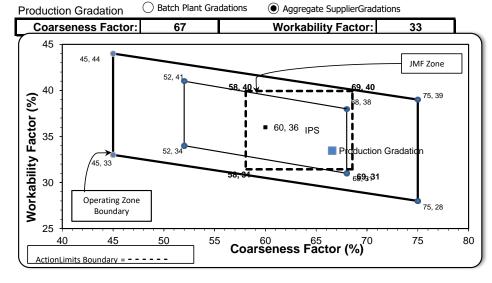
Approved By: Mart P. Ball

PLANT #	#:	P-O2					Contractor:		
Sample Date	:	8/30/21			Concrete Grade:	S2M			
Dates Test R	epresents:	8/31/2021	through	9/6/2021			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	63-115	Ray 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"	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"	1	97.5	100	0.0	100.0	98.7	1.3	1.3	
3/4"		66.4	100	0.0	100.0	82.4	16.3	17.6	
1/2"		32.0	97	.2	100.0	64.1	18.2	35.9	
3/8"		17.5	84	.5	100.0	55.7	8.4	44.3	*N
#4		2.7	20	.1	95.6	41.9	13.8	58.1	*/
#8		1.6	5.	6	78.7	33.5	8.5	66.5	nor
#16		1.5	2.	8	63.0	26.8	6.7	73.2	*9
#30		1.4	2.	3	47.7	20.4	6.4	79.6	nor
#50		1.4	2.	1	26.8	11.9	8.6	88.1	*9
#100		1.3	1.		6.7	3.6	8.3	96.4	a 2
LBW		1.0	1.	4	0.9	1.0	2.6	99.0	



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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							
Worl	cability 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						
	5.0		00.1						

Approved By: Mart P. Ball