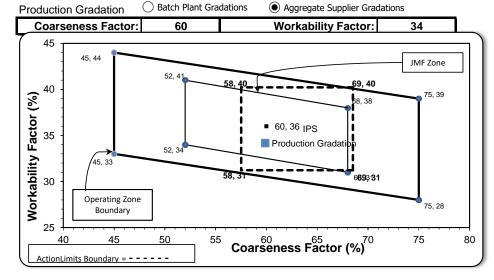
PLANT #	#:	P-102					Contractor:		
Sample Date	-	9/20/21			Concrete Grade:	S2M			
Dates Test R	epresents:	9/21/2021	through	9/27/2021			MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft <sup>3</sup>	Specific	%			
			_		Gravity	Contribution			
6AA	58-003	Stoneco	1600	9.53	2.69	51.6			
26A	58-003	Stoneco	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"	1	00.0	10	0.0	100.0	100.0	0.0	0.0	1
3/4"	8	36.2	10	0.0	100.0	92.9	7.1	7.1	
1/2"	2	19.2	98	3.7	100.0	73.7	19.2	26.3	1
3/8"	2	25.6	89	).2	100.0	60.6	13.1	39.4	*
#4		4.0	27	7.9	98.8	43.2	17.4	56.8	*
#8		1.6	8	.1	83.5	34.2	9.1	65.8	no
#16		1.3	3	.3	66.2	26.8	7.4	73.2	*
#30		1.1	2	.3	47.0	19.1	7.7	80.9	nc
#50		1.0	2	.1	20.4	8.7	10.5	91.3	*
#100		1.0	2	.0	4.4	2.4	6.3	97.6	a :
LBW		0.7	1.	.8	0.8	0.8	1.6	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 Producti	on Sample (IPS	5)	-
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

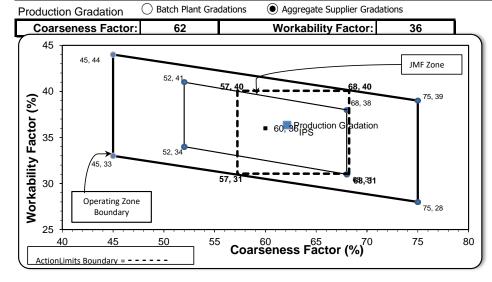
Approved By: Mart 1. Ball

<b>PLANT</b> #	<b>#:</b>	<b>P-20</b>					Contractor:		
Sample Date	:	9/20/21			Concrete Grade:	S2M			
Dates Test R	epresents:	9/21/2021	through	9/27/2021			MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft <sup>3</sup>	Specific	%			
	-		• • •		Gravity	Contribution			
6AA	71-47	Presque Isle	1800	11.01	2.62	59.0			
26A	71-47	Presque Isle	0	0.00	2.62	0.0			
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	100.0	10	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	98.0	10	0.0	100.0	98.8	1.2	1.2	1
3/4"		85.6	100	0.0	100.0	91.5	7.3	8.5	1
1/2"		52.7	97	<b>.</b> .8	100.0	72.1	19.4	27.9	
3/8"		33.0	84	.2	100.0	60.5	11.6	39.5	*1
#4		6.9	14	.9	97.7	44.1	16.3	55.9	*/
#8		2.7	3.	.8	84.8	36.3	7.8	63.7	nor
#16		2.0	2.	.2	69.5	29.7	6.7	70.3	*9
#30		1.8	1.	.9	50.4	21.7	7.9	78.3	noi
#50		1.8	1.	.7	22.5	10.3	11.4	89.7	*0
#100		1.7	1.	.6	3.7	2.5	7.8	97.5	a 2
LBW		1.6	1.	.5	0.4	1.1	1.4	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 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"	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

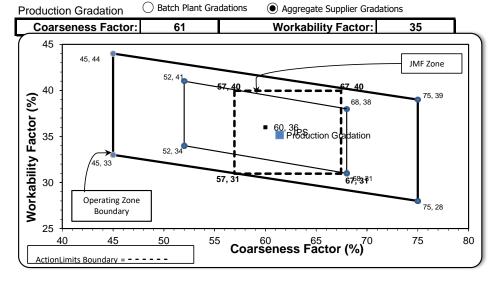
Approved By: Mart P. Ball

PLANT :	#:	P-32					Contractor:		
Sample Date	:	9/20/21			Concrete Grade:	S2M			
Dates Test R	epresents:	9/21/2021	through	9/27/2021			MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft <sup>3</sup>	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	100.0	10	0.0	100.0	100.0	0.0	0.0	
1.5"	1	100.0	10	0.0	100.0	100.0	0.0	0.0	
1"	1	97.2	10	0.0	100.0	98.5	1.5	1.5	1
3/4"		86.3	10	0.0	100.0	92.6	5.9	7.4	
1/2"		49.1	95	5.6	100.0	72.2	20.4	27.8	1
3/8"	:	28.2	82	2.8	100.0	60.2	12.0	39.8	*
#4		5.7	16	6.0	95.0	42.3	17.9	57.7	*/
#8		3.2	4	.5	82.3	35.2	7.1	64.8	no
#16		2.4	2	.4	67.3	28.6	6.6	71.4	*0
#30		2.3	2	.0	49.4	21.3	7.3	78.7	no
#50		2.2	1.	.8	25.2	11.5	9.8	88.5	*0
#100		1.9	1.	.7	8.2	4.4	7.0	95.6	a 2
LBW		1.5	1.	.3	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 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

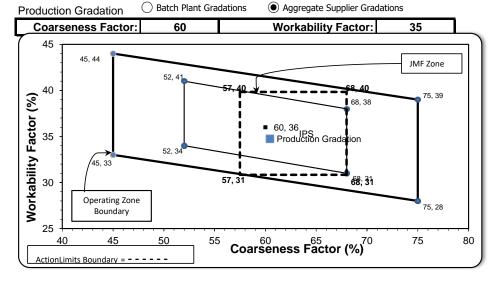
Approved By: Nat 1. Ball

PLANT #	<b>#:</b>	P-35					Contractor:		
Sample Date	:	9/20/21			Concrete Grade:	S2M			
Dates Test R	epresents:	9/21/2021	through	9/27/2021			MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft <sup>3</sup>	Specific	%			
Ayy. Class	FIL#	Source	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	(	6AA	26	A	2NS	Cumulative % Passing	% Retained	Cumulative % Retained	
2"	1	00.0	100	0.0	100.0	100.0	0.0	0.0	
1.5"	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"	5	86.2	100	0.0	100.0	92.9	7.1	7.1	1
1/2"	4	49.2	98	.7	100.0	73.7	19.2	26.3	1
3/8"		25.6	89	.2	100.0	60.6	13.1	39.4	*N
#4		4.0	27	.9	98.8	43.0	17.5	57.0	*A
#8		1.6	8.	1	85.6	34.7	8.3	65.3	nor
#16		1.3	3.	3	68.5	27.5	7.2	72.5	*9
#30		1.1	2.	3	48.2	19.4	8.1	80.6	nor
#50		1.0	2.	1	15.0	6.5	12.9	93.5	*9
#100		1.0	2.	0	1.9	1.4	5.1	98.6	a 2
LBW		0.7	1.	8	0.5	0.7	0.7	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.



Coarse	waaa Faataw		
	eness Factor:	63	
Worka	bility 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

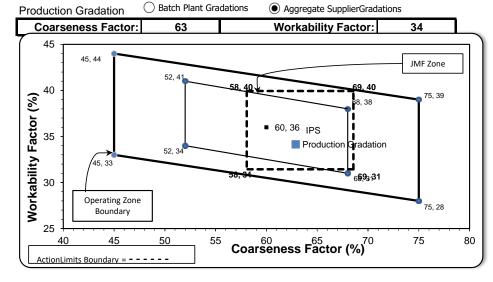
Approved By: Mart P. Ball

PLANT #	<b>#:</b>	<b>P-O2</b>					Contractor:		
Sample Date	:	9/20/21			Concrete Grade:	S2M			
Dates Test R	epresents:	9/21/2021	through	9/27/2021			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	250	1.53	2.62	8.2			
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	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	98.2	10	0.0	100.0	99.1	0.9	0.9	
3/4"		74.6	10	0.0	100.0	87.1	12.0	12.9	
1/2"		43.2	95	5.6	100.0	70.8	16.3	29.2	1
3/8"	:	21.3	82	8	100.0	58.6	12.2	41.4	*
#4		4.8	16	5.0	95.7	43.0	15.6	57.0	ł
#8		3.0	4.	4.5		34.1	8.8	65.9	no
#16		2.3	2.	.4	63.0	27.2	7.0	72.8	*
#30		2.0	2.	.0	47.9	20.8	6.4	79.2	no
#50		1.9	1.	.8	26.9	12.1	8.7	87.9	*
#100		1.8	1.	7	6.1	3.6	8.6	96.4	a
LBW		1.4	1.	.3	0.8	1.1	2.4	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 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"	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

Approved By: Mart P. Ball