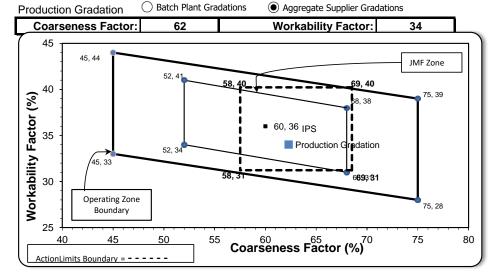
PLANT #	#:	P-102					Contractor:		
Sample Date	-	10/11/21			Concrete Grade:	S2M			
Dates Test R	epresents:	10/12/2021	through	10/18/2021			MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft <sup>3</sup>	Specific Gravity	% Contribution			
6AA	58-003	Stoneco	1600	9.53	2.69	51.6			
26A	58-003	Stoneco	290	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	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	10	0.0	100.0	100.0	0.0	0.0	1
3/4"	7	79.2	10	0.0	100.0	89.3	10.7	10.7	1
1/2"	2	42.8	99	9.6	100.0	70.4	18.8	29.6	
3/8"	2	22.8	86	6.6	100.0	58.9	11.5	41.1	
#4		5.6	9.	.9	99.1	42.5	16.4	57.5	
#8		2.2	2.	.6	83.6	34.0	8.5	66.0	n
#16		1.8	1.	.8	63.5	25.9	8.1	74.1	
#30		1.6	1.	.6	43.1	17.8	8.1	82.2	n
#50		1.4	1.	.5	18.0	7.9	9.9	92.1	
#100		1.4	1.	.4	3.9	2.4	5.5	97.6	а
LBW		1.2	1.	.2	0.8	1.0	1.3	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.



ntial Produc	tion Sample (IPS	5)	
Coar	seness Factor:	63	
Wor	kability Factor:	36	
Sieve	Cumulative	%	Cumulative
Sleve	% 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

PREPARED BY: SM, LLC Technical Service

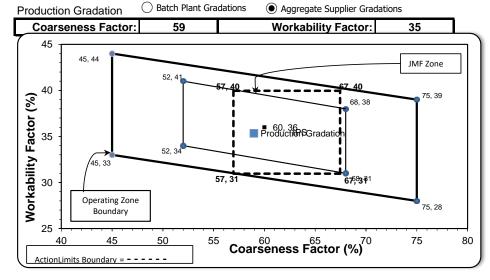
Approved By: Mart 1. Ball

PLANT #	<b>#:</b>	P-32					Contractor:		
Sample Date	:	10/11/21			Concrete Grade:	S2M			
Dates Test R	epresents:	10/12/2021	through	10/18/2021			MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft <sup>3</sup>	Specific	%			
Ryg. Class		Source	<b>-</b> · · ·		Gravity	Contribution			
6AA	71-47	Presque Isle	1250	7.65	2.62	41.0			
26A	71-47	Presque Isle	570	3.49	2.62	18.7			
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	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"	9	97.6	100	0.0	100.0	99.0	1.0	1.0	1
3/4"	:	80.9	100	0.0	100.0	92.2	6.8	7.8	
1/2"	:	37.0	95	.6	100.0	73.4	18.8	26.6	1
3/8"		15.6	81	.1	100.0	61.9	11.5	38.1	1
#4		3.3	17	.7	96.4	43.5	18.3	56.5	
#8		1.8	5.	0	83.5	35.3	8.2	64.7	n
#16		1.5	2.	6	67.9	28.5	6.9	71.5	,
#30		1.4	2.	1	50.2	21.2	7.3	78.8	n
#50		1.4	1.	9	25.0	11.0	10.2	89.0	
#100		1.3	1.	8	8.2	4.2	6.8	95.8	а
LBW		0.9	1.	5	1.9	1.4	2.8	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 Product	ion Sample (IPS	5)	_
Coars	seness Factor:	62	
Worl	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"	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

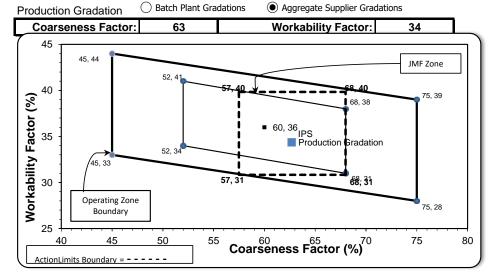
Approved By: Mart P. Ball

PLANT #	#:	P-35					Contractor:		
Sample Date	:	10/11/21			Concrete Grade:	S2M			
Dates Test R	epresents:	10/12/2021	through	10/18/2021			MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft <sup>3</sup>	Specific	%			
Agg. Class	1 IL #	Jource	Weight (33D)	-	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	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"	1	00.0	10	0.0	100.0	100.0	0.0	0.0	
3/4"	-	79.2	10	0.0	100.0	89.3	10.7	10.7	1
1/2"	4	42.8	99	.6	100.0	70.4	18.8	29.6	1
3/8"	2	22.8	86	5.6	100.0	58.9	11.6	41.1	*N
#4		5.6	9.	.9	98.9	42.1	16.7	57.9	*/
#8		2.2	2.	.6	85.2	34.4	7.8	65.6	nor
#16		1.8	1.	.8	66.7	26.9	7.4	73.1	*9
#30		1.6	1.	.6	46.9	19.1	7.8	80.9	nor
#50		1.4	1.	.5	15.8	7.0	12.2	93.0	*9
#100		1.4	1.	.4	2.1	1.7	5.3	98.3	a 2
LBW		1.2	1.	.2	0.6	1.0	0.7	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 Product	ion Sample (IPS	5)	
Coars	seness Factor:	63	
Worl	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"	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

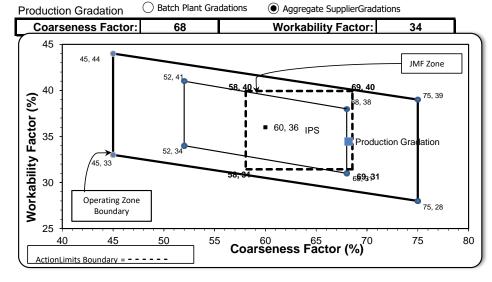
Approved By: Mart P. Ball

PLANT #	<b>#:</b>	<b>P-02</b>					Contractor:		
Sample Date	:	10/11/21			Concrete Grade:	S2M			
Dates Test R	epresents:	10/12/2021	through	10/18/2021			MDOT No.:		
Agg. Class	Pit #	Source	Weight (SSD)	ft <sup>3</sup>	Specific	%			
Agg. Class	1 IC #	Source	Weight (SSD)	п	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	6A	2NS	Cumulative % Passing	% Retained	Cumulative % Retained	
2"	1	00.0	10	0.0	100.0	100.0	0.0	0.0	1
1.5"	1	00.0	10	0.0	100.0	100.0	0.0	0.0	
1"	9	98.8	10	0.0	100.0	99.4	0.6	0.6	1
3/4"		73.1	10	0.0	100.0	86.3	13.1	13.7	1
1/2"	:	31.5	95	5.6	100.0	64.8	21.5	35.2	
3/8"	·	15.1	81	.1	100.0	55.3	9.5	44.7	*
#4		3.3	17	7.7	96.7	42.8	12.5	57.2	*
#8		1.9	5	.0	80.7	34.4	8.3	65.6	nc
#16		1.7	2	.6	66.3	28.2	6.2	71.8	*
#30		1.6	2	.1	51.3	22.0	6.2	78.0	nc
#50		1.5	1.	.9	28.2	12.5	9.5	87.5	*
#100		1.4	1.	.8	6.3	3.4	9.0	96.6	a
LBW		1.1	1.	.5	1.0	1.1	2.3	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