Production Gradation Report

PLANT #	#:	P-101					Contractor:				
Sample Date	:	11/15/21		C	Concrete Grade:	DM					
Dates Test R	epresents:	11/16/2021	through	11/22/2021			MDOT No.:				
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution					
6AA	71-47	Presque Isle	1560	9.54	2.62	53.6					
26A	71-47	Presque Isle	200	1.22	2.62	6.9					
2NS	75-051	Mid-Michigan	1150	6.93	2.66	39.5				su	
		Total Wt	2910	17.69		100.0	< Verify this n	umber is 100%		MA	
Sieve		6AA	26	A	2NS	Cumulative % Passing	% Retained	Cumulative % Retained		<u>Super</u> 30701	
2"		00.0	10		100.0 100.0	100.0	0.0	0.0		Suite !	
1.5"		00.0		100.0		100.0	0.0	0.0		Farmi	
1"		99.6	10		100.0	99.8	0.2	0.2			
3/4"		89.9	10		100.0	94.6	5.2	5.4			
1/2"		50.2	98		100.0	73.2	21.4	26.8			
3/8"		30.2	84	-	100.0	61.5	11.7	38.5	*Maximum %	Retained mu	
#4		4.3	18		98.9	42.7	18.8	57.3	*Any two adjacent sieves		
#8		2.0	4		81.1	33.4	9.3 66.6 nom. max., #100 and #2				
#16		1.7	2.3 2.1		63.8	26.3	7.1	73.7	*% Retained I		
#30		1.6			47.7 24.8	19.9 10.7	6.4	80.1	nom. max., #10		
#50 #100		1.5 1.5	1.	.9	6.8	3.6	9.1 7.1	89.3 96.4	*% Retained I		
LBW		1.5		.o .5	0.0	3.6	2.4	96.4 98.8	a 2" max. size	(nom. Max. 1	
roduction G	radation	Batch Plant Gra	-	regate Supplier Gra				on Sample (IPS	3)		
	ess Factor:	58	Work	ability Factor:	33	35.9		eness Factor:	62		
45							Work	ability Factor:	35		
	45, 44				JMF Zone		Sieve	Cumulative % Passing	% Retained	Cumulat % Retain	
10		52, 41					2"	100.0	0.0	0.0	
२ ⁴⁰ ।			57,39	67, 39 68, 38	75, 39		1.5"	100.0	0.0	0.0	
<u>د</u>			!		5		1"	100.0	0.0	0.0	
to i			Proelu60ok				3/4"	95.0	5.0	5.0	
5 35							1/2"	70.5	24.5	29.5	
Ľ,		52, 34		i			3/8"	60.0	10.5	40.0	
lit	45, 33		57				#4	44.4	15.6	55.6	
ig 30 -		_		67 ₆ 3,1 ₃	1		#8	35.5	9.0	64.5	
l sk i	Operating Zone						#16	28.5	7.0	71.5	
Workability Factor (%)	Boundary				75, 28		#30	21.5	7.0	78.5	
≤ ₂₅ ⊢							#50	10.2	11.3	89.8	
40	45	<u> </u>	60	s Factor (%)	0 75	80	#100	3.1	7.1	96.9	
il			Coarsenes	s Factor (%)			LBW	1.3	1.8	98.7	



Materials, LLC 10 Mile Rd. on Hills, MI 48336

above the 3/8" sieve. equal 10% except max., es. % for each sieve except max., es. % for the 1" sieve when aggregate is used.

PREPARED BY: SM, LLC Technical Service

ActionLimits Boundary = - - - - -

Approved By:

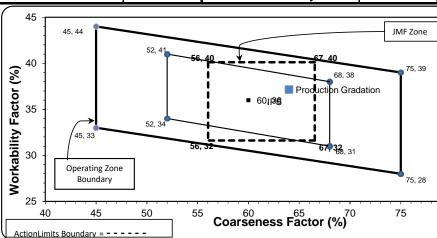
PLANT :	#:	P-102	_				Contractor:			_
Sample Date	e:	11/15/21	-		Concrete Grade:	DM				
Dates Test R	Represents:	11/16/2021	through	11/22/2021			MDOT No.:			
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution				
6AA	58-003	Stoneco	1500	8.94	2.69	50.8				
26A	58-003	Stoneco	305	1.82	2.69	10.3				
2NS	63-114	Highland	1150	6.95	2.65	38.9				SUP
		Total Wt	2955	17.71		100.0	< Verify this n	umber is 100%		MATI
Sieve		6AA	26	A	2NS	Cumulative % Passing	% Retained	Cumulative % Retained		Superior 30701 W.
2"	1	00.0		0.0	100.0	100.0	0.0	0.0		Suite 500
1.5"	1	00.0	10	0.0	100.0	100.0	0.0	0.0		Farmingto
1"	9	99.7	10	0.0	100.0	99.8	0.2	0.2		
3/4"		83.4		0.0	100.0	91.6	8.3	8.4		
1/2"		43.9		9.6	100.0	71.5	20.1	28.5		
3/8"	:	20.7	84	.8	100.0	58.2	13.3	41.8	*Maximum %	Retained must be
#4		2.8	11	.5	99.6	41.4	16.8	58.6	*Any two adja	cent sieves must e
#8		1.0	2	.0	87.2	34.6	6.7	65.4	nom. max., #10	00 and #200 sieves
#16		1.3		.0	67.9	27.2	7.5	72.8	*% Retained	must be at least 4%
#30		1.2	0	-	47.6	19.2	8.0	80.8	nom. max., #1	00 and #200 sieves
#50		1.1	0		19.7	8.3	10.9	91.7	*% Retained	must be at least 8%
#100		0.9	-	.6	3.2	1.8	6.5	98.2	a 2" max. size	(nom. Max. 1.5") a
LBW		0.5	0		0.7	0.6	1.2	99.4		
Production G		Batch Plant Gra		regate Supplier Gr			Intial Production	on Sample (IPS	5)	
Coarsene	ess Factor:	64	Worl	ability Factor	: 35	37.1		eness Factor:	61	
45							Work	ability Factor:	36	
	45, 44				JMF Zone		Sieve	Cumulative % Passing	% Retained	Cumulative % Retained
]		52, 41	40	67 40			2"	100.0	0.0	0.0
G ⁴⁰			The second		75, 39		1.5"	100.0	0.0	0.0
or (%)				68, 38			1"	99.3	0.7	0.7
5			i	Production Gra	adation		3/4"	89.2	10.1	10.8

80



aterials, LLC Mile Rd. Hills, MI 48336

ove the 3/8" sieve. al 10% except max., each sieve except max., the 1" sieve when egate is used.



Coars	eness Factor:	61			
Work	ability 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"	99.3	0.7	0.7		
3/4"	89.2	10.1	10.8		
1/2"	70.7	18.5	29.3		
3/8"	60.7	10.0	39.3		
#4	44.4	16.3	55.6		
#8	35.9	8.5	64.1		
#16	27.3	8.6	72.7		
#30	19.1	8.2	80.9		
#50	7.4	11.7	92.6		
#100	1.9	5.6	98.1		
LBW	0.7	1.2	99.3		

Approved By: Mart P. Ball

#:	P-32					Contractor:					
:	11/15/21	_	C	Concrete Grade	: DM						
epresents:	11/16/2021	through	11/22/2021			MDOT No.:					
Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution						
71-47	Presque Isle	1455	8.90	2.62	50.1						
71-47	Presque Isle	300	1.83	2.62	10.3						
95-013	Smelter Bay	1150		2.65	39.6				SUD	ERIOR	
	Total Wt	2905	17.69		100.0	< Verify this n	umber is 100%			RIALS	
	6AA	26	A	2NS	Cumulative % Passing	% Retained	Cumulative % Retained		<u>Superior I</u> 30701 W. 1	Materials, LLC I0 Mile Rd.	
1	00.0	10	0.0	100.0	100.0	0.0	0.0				
					100.0				Farmingtor	n Hills, MI 48336	
						1.1	1.1				
								1			
		-	-					*Maximum % Retained must be above the 3/8" sieve.			
								*Any two adjacent sieves must equal 10% except ma			
									Retained must be at least 4% for each sieve except n		
			-								
					-						
									(1011. 1018. 1.5) ag	gregate is used.	
redetien	_		-	-				6)			
radation		0.00									
ess Factor:	60		ability Factor:	34	36.8		eness Factor:	62			
	-		ability Factor:	34	36.8	Coars		-			
ess Factor:	-		ability Factor:		36.8	Coars Work	ability Factor:	36	Cumulative		
	-		ability Factor:	34 JMF Zone	36.8	Coars	ability Factor: Cumulative	-	Cumulative % Retained		
ess Factor:	-				36.8	Coars Work	ability Factor:	36 %			
ess Factor:	60		67, 40		36.8	Coars Work Sieve	ability Factor: Cumulative % Passing	36 % Retained	% Retained		
ess Factor:	60	Work	67, 40 68, 38	JMF Zone	36.8	Coars Work Sieve 2" 1.5" 1"	ability Factor: Cumulative % Passing 100.0 100.0 100.0	36 % Retained 0.0 0.0 0.0	% Retained 0.0 0.0 0.0		
ess Factor:	60	Work	67, 40 68, 38	JMF Zone	36.8	Coars Work Sieve 2" 1.5" 1" 3/4"	ability Factor: Cumulative % Passing 100.0 100.0 100.0 95.0	36 % Retained 0.0 0.0 0.0 5.0	% Retained 0.0 0.0 0.0 5.0		
ess Factor:	60	Work	67, 40	JMF Zone	36.8	Coars Work Sieve 2" 1.5" 1" 3/4" 1/2"	ability Factor: Cumulative % Passing 100.0 100.0 100.0 95.0 72.3	36 % Retained 0.0 0.0 0.0 5.0 22.8	% Retained 0.0 0.0 0.0 5.0 27.7		
ess Factor:	60	Work	67, 40 68, 38	JMF Zone	36.8	Coars Work Sieve 2" 1.5" 1" 3/4" 1/2" 3/8"	ability Factor: Cumulative % Passing 100.0 100.0 100.0 95.0 72.3 60.4	36 % Retained 0.0 0.0 0.0 5.0 22.8 11.8	% Retained 0.0 0.0 0.0 5.0 27.7 39.6		
ess Factor:	60	Work	67, 40	JMF Zone	36.8	Coars Work Sieve 2" 1.5" 1" 3/4" 1/2" 3/8" #4	ability Factor: Cumulative % Passing 100.0 100.0 95.0 72.3 60.4 42.6	36 % Retained 0.0 0.0 0.0 5.0 22.8 11.8 17.8	% Retained 0.0 0.0 5.0 27.7 39.6 57.4		
45, 44	60	Work	67, 40 68, 38	JMF Zone	36.8	Coars Work Sieve 2" 1.5" 1" 3/4" 1/2" 3/8" #4 #8	ability Factor: Cumulative % Passing 100.0 100.0 95.0 72.3 60.4 42.6 36.0	36 % Retained 0.0 0.0 5.0 22.8 11.8 17.8 6.6	% Retained 0.0 0.0 0.0 27.7 39.6 57.4 64.0		
45, 44 45, 33 Operating Zone	60 52, 41 52, 34 52, 34	Work	67, 40	JMF Zone	36.8	Coars Work Sieve 2" 1.5" 1" 3/4" 1/2" 3/8" #4 #8 #16	ability Factor: Cumulative % Passing 100.0 100.0 95.0 72.3 60.4 42.6 36.0 29.5	36 % Retained 0.0 0.0 5.0 22.8 11.8 17.8 6.6 6.5	% Retained 0.0 0.0 0.0 27.7 39.6 57.4 64.0 70.5		
45, 33	60 52, 41 52, 34 52, 34	Work	67, 40	JMF Zone	36.8	Coars Work Sieve 2" 1.5" 1" 3/4" 1/2" 3/8" #4 #8 #16 #30	ability Factor: Cumulative % Passing 100.0 100.0 95.0 72.3 60.4 42.6 36.0 29.5 20.3	36 % Retained 0.0 0.0 5.0 22.8 11.8 17.8 6.6 6.5 9.2	% Retained 0.0 0.0 0.0 0.0 5.0 27.7 39.6 57.4 64.0 70.5 79.7		
45, 44 45, 33 Operating Zone	60 52, 41 52, 34 52, 34	Work	67, 40	75, 39	36.8	Coars Work Sieve 2" 1.5" 1" 3/4" 1/2" 3/8" #4 #8 #16	ability Factor: Cumulative % Passing 100.0 100.0 95.0 72.3 60.4 42.6 36.0 29.5	36 % Retained 0.0 0.0 5.0 22.8 11.8 17.8 6.6 6.5	% Retained 0.0 0.0 0.0 27.7 39.6 57.4 64.0 70.5		
	: epresents: Pit # 71-47 71-47 95-013	11/15/21 epresents: 11/16/2021 Pit # Source 71-47 Presque Isle 71-47 Presque Isle 95-013 Smelter Bay Total Wt 6AA 100.0 100.0 100.0 97.8 78.3 41.5 25.7 5.0 2.6 2.2 2.0 1.9 1.8 1.2	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Image: 11/15/21 Concrete Grade: DM DM epresents: 11/16/2021 through 11/22/2021 MDOT No.: Pit # Source Weight (sso) ft ³ Specific Gravity % Contribution 71-47 Presque Isle 1455 8.90 2.62 50.1 71-47 Presque Isle 300 1.83 2.62 10.3 95-013 Smelter Bay 1150 6.95 2.65 39.6 Total Wt 2905 17.69 100.0 c Verify this number is 100%. 6AA 26A 2NS Cumulative % Passing % Retained 100.0 100.0 100.0 100.0 0.0 0.0 100.0 100.0 100.0 100.0 0.0 0.0 100.0 100.0 100.0 9.9 1.1 1.1 78.3 100.0 100.0 60.3 9.9 39.7 *Maximum % 5.0 11.4 95.7 41.6 18.7 58.4 *Any two adja 2.6 3.6 82.4 34.3 7.3 65.7	Image: 11/15/21 Concrete Grade: DM MDT No.: Pit # Source Weight (ssp) ft ³ Specific Oravity Contribution MDOT No.: 71-47 Presque Isle 1455 8.90 2.62 50.1 Source Weight (ssp) ft ³ Specific Oravity Contribution Source Verify this number is 100% Specific Oravity Contribution Specific Oravity Contretoravity Contribution Specifi	

Approved By: Mary P. Ball

PLANT #	#:	P-35					Contractor:				
Sample Date		11/15/21		(Concrete Grade:	DM					
Dates Test R	epresents:	11/16/2021	through	11/22/2021			MDOT No.:				
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution					
6AA	58-003	Stoneco	1555	9.26	2.69	52.6					
26A	58-003	Stoneco	300	1.79	2.69	10.2					
2NS	81-093	Burmeister	1100	6.65	2.65	37.2				SUP	ERIOR
		Total Wt	2955	17.70		100.0	< Verify this n	umber is 100%	1		RIALS
Sieve	(AA	26	A	2NS	Cumulative % Passing	% Retained	Cumulative % Retained		Superior 30701 W. 1	Materials, LLC 10 Mile Rd.
2"	1	00.0	100	0.0	100.0	100.0	0.0	0.0		Suite 500	
1.5"		00.0	100		100.0	100.0	0.0	0.0		Farmingto	n Hills, MI 48336
1"	9	9.7	100	0.0	100.0	99.8	0.2				
3/4"		33.4	100		100.0	91.3	8.6	8.7			
1/2"		13.9	99		100.0	70.4	20.8	29.6			
3/8"		20.7	84	-	100.0	56.7	13.7	43.3	*Maximum %	above the 3/8" sieve.	
#4		2.8	11.5		98.9	39.5	17.3	60.5	*Any two adjacent sieves must equal 10% except max		
#8		1.0	2.0		86.4	32.9	6.6	67.1	nom. max., #100 and #200 sieves.		
#16		1.3	1.		71.8	27.5	5.4	72.5			for each sieve except
#30		1.2	0.	-	53.9	20.8	6.7	79.2		00 and #200 sieves	
#50 #100		1.1 0.9	0.		21.2	8.5 1.8	12.2 6.7	91.5 98.2			for the 1" sieve when
LBW		0.9	0.	-	3.5	0.8	1.1	98.2 99.2	a 2" max. size	(nom. Max. 1.5") ag	gregate is used.
Production G		Batch Plant Gra		egate Supplier Gra				on Sample (IPS	() ()		
	ess Factor:	64	Work	ability Factor:	33	35.4		eness Factor:	, 61		
		0.						ability Factor:	36		
45								Cumulative	%	Cumulative	
- 4	45, 44				JMF Zone		Sieve	% Passing	Retained	% Retained	
1		52, 41					2"	100.0	0.0	0.0	
a ⁴⁰		56,	1		75, 39		1.5"	100.0	0.0	0.0	
8			!	68, 38	T T		1"	99.3	0.7	0.7	
Factor (%)			■ 60, ₁ 36				3/4"	89.1	10.2	10.9	
te 35 -		l	- 00,195	Production Gr	adation		1/2"	70.5	18.6	29.5	
Щ́ I		52, 34	+	:			3/8"	60.5	10.0	39.5	
Ē	45, 33			i			#4	44.1	16.4	55.9	
Workability		56,	31	67, 88 , 31			#8	35.6	8.5	64.4	
ž	Operating Zone						#16	27.7	7.9	72.3	
	Boundary				75, 28		#30 #50	20.6 8.7	7.1	79.4 91.3	
> ₂₅							#50 #100	8.7 1.6	11.8 7.1	91.3 98.4	
40	45	50 55	5 60	Factor (%) ⁷⁰	75	80	LBW	1.0	0.6	98.9	
(Coarseness	Factor (%)				1.1	0.0	50.5	

Approved By: Mart P. Ball

PLANT #	#:	P-39					Contractor:						
Sample Date	:	11/15/21		C	concrete Grade:	DM							
Dates Test R	epresents:	11/16/2021	through	11/22/2021			MDOT No.:						
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution							
6AA	71-47	Presque Isle	1705	10.43	2.62	58.7							
26A	71-47	Presque Isle	100	0.61	2.62	3.4							
2NS	44-051	Krake Willis Rd		6.65	2.65	37.9				SUP	ERIOR		
		Total Wt	2905	17.69		100.0	< Verify this n	umber is 100%	1		ERIALS		
Sieve		6AA	26	A	2NS	Cumulative % Passing	% Retained	Cumulative % Retained			Materials, LLC 10 Mile Rd.		
2"		100.0	100).0	100.0	100.0	0.0	0.0		Suite 500			
1.5"		100.0	100).0	100.0	100.0	0.0	0.0		Farmingto	n Hills, MI 48336		
1"		99.6	100		100.0	99.8	0.2	0.2					
3/4"		89.9	100		100.0	94.1	5.7	5.9					
1/2"		50.2	98		100.0	70.7	23.4	29.3					
3/8"		30.2	84	-	100.0	58.5	12.2	41.5	*Maximum % Retained must be above the 3/8" sieve.				
#4		4.3	18.7 4.1		96.6	39.7	18.7	60.3	*Any two adjacent sieves must equal 10% except max				
#8		2.0			79.0	31.2	8.5	68.8	nom. max., #100 and #200 sieves.				
#16 #30		1.7 1.6	2.3 2.1		64.0 49.1	25.3 19.6	5.9 5.7	74.7 80.4	*% Retained must be at least 4% for each sieve ex nom. max., #100 and #200 sieves.				
#30 #50		1.5	2.		28.0	19.6	5.7 8.1	80.4 88.5	,		s. 6 for the 1" sieve when		
#30		1.5	1.		9.8	4.7	6.9	95.3		(nom. Max. 1.5") a			
LBW		1.4	1.	-	1.0	1.3	3.4	98.7		(1011. Max. 1.5) a	ggregate is used.		
Production G	radation	O Batch Plant Gra	dations 💿 Agg	regate Supplier Gra	dations	Adjusted WF	Intial Production	on Sample (IPS))				
Coarsene	ess Factor:	60	Work	ability Factor:	31	33.7	Coars	eness Factor:	63				
				<i>.</i>			Work	ability Factor:	36				
45		_			10.45 7			Cumulative	%	Cumulative			
- 4	15, 44				JMF Zone		Sieve	% Passing	Retained	% Retained			
-		52, 41					2"	100.0	0.0	0.0			
ू ⁴⁰ ।			58,40	68, 38	75, 39		1.5"	100.0	0.0	0.0			
ی ا				68, 38	I		1"	100.0	0.0	0.0			
ם ב			■ 60, 36				3/4"	89.7	10.3	10.3			
5 35			I				1/2"	70.3	19.4	29.7			
L		52, 34	Produ	ction Gradation			3/8"	59.1	11.2	40.9			
E I	45, 33		1	╼╼╼╼┢			#4	42.8	16.3	57.2			
ig 30	ļ	_		68,832	<u> </u>		#8	35.5	7.3	64.5			
ž	Operating Zone	2					#16 #30	29.0 21.2	6.5 7.7	71.0 78.8			
Workability Factor (%)	Boundary				75, 28		#30	9.8	11.5	90.2			
25			.				#100	3.7	6.1	96.3			
40	45	50 55	60	Factor (%) ⁷⁰	75	80	LBW	1.2	2.5	98.8			
· •													

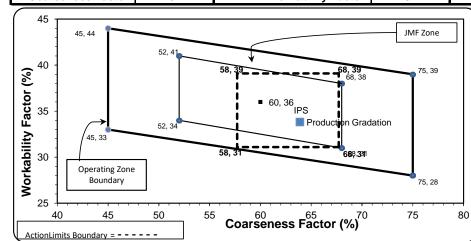
Approved By: Mart P. Ball

PLANT #	#:	P-02					Contractor:				
Sample Date	:	11/15/21			Concrete Grade	DM				_	
Dates Test R	epresents:	11/16/2021	through	11/22/2021			MDOT No.:				
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution				_	
6AA	71-47	Presque Isle	1505	9.21	2.62	51.8					
26A	71-47	Presque Isle	300	1.83	2.62	10.3					
2NS	63-115	Ray Rd	1100	6.65	2.65	37.9				SUD	EDI
		Total Wt	2905	17.69		100.0	< Verify this n	umber is 100%		SUP MATE	RIA
Sieve		6AA	26	6A	2NS	Cumulative % Passing	% Retained	Cumulative % Retained		<u>Superior</u> 30701 W.	
2"	1	00.0	10	0.0	100.0	100.0	0.0	0.0		Suite 500	
1.5"	1	00.0	10	0.0	100.0	100.0	0.0	0.0		Farmingto	n Hills, MI
1"		95.8	10	0.0	100.0	97.8	2.2	2.2			
3/4"		67.0	10	0.0	100.0	82.9	14.9	17.1			
1/2"	-	31.6	95	5.3	100.0	64.1	18.8	35.9			
3/8"		20.1	76	6.0	100.0	56.1	8.0	43.9	*Maximum %	Retained must be	above the 3
#4		3.1	11	.4	96.3	39.2	16.9	60.8	*Any two adja	acent sieves must e	qual 10% e
#8		2.3	3	.6	78.6	31.3	7.9	68.7	nom. max., #1	00 and #200 sieves	
#16		2.1	2	.0	62.3	24.9	6.4	75.1	*% Retained	must be at least 4%	for each s
#30		2.0	1	.6	47.2	19.1	5.8	80.9	nom. max., #1	00 and #200 sieves	
#50		1.9	1	.4	28.8	12.0	7.0	88.0	*% Retained	must be at least 8%	for the 1" s
#100		1.8	1	.3	6.3	3.5	8.6	96.5	a 2" max. size	(nom. Max. 1.5") ag	gregate is
LBW		1.3	0	.9	0.8	1.1	2.4	98.9			
Production G	radation	O Batch Plant Gra	dations 💿 Agg	regate SupplierGra	dations	Adjusted WF	Intial Production	on Sample (IPS	5)		
Coarsene	ss Factor:	64	Worl	ability Factor	: 31	33.8	Coars	eness Factor:	63]	
45							Work	ability Factor:	35		
	5 44 •				IME Zone		Sieve	Cumulative	%	Cumulative	



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3/8" sieve. except max., sieve except max., sieve when used.



Coars	seness Factor:	63			
Worl	ability Factor:	35			
Sieve	Cumulative	%	Cumulative		
51676	% 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"	95.1	4.9	4.9		
1/2"	74.6	20.5	25.4		
3/8"	59.3	15.3	40.7		
#4	42.1	17.2	57.9		
#8	35.1	7.1	64.9		
#16	29.2	5.9	70.8		
#30	21.9	7.3	78.1		
#50	9.6	12.4	90.4		
#100	2.4	7.2	97.6		
LBW	0.9	1.5	99.1		

Approved By: Mart P. Ball