Aggregate Optimization Chart

PLANT #: P-102

Sample Date: 6/24/24 Concrete Grade: **DM, 4500HP**

MDOT

Dates Test F	Represents:	6/25/2024	through	7/1/2024		
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution
6AA	58-003	Stoneco	1400	8.34	2.69	47.5
26A	58-003	Stoneco	400	2.38	2.69	13.6
2NS	63-114	Highland	1150	6.95	2.65	39.0
		1	7			

MDOT No.:

Contractor:



<u>S</u>	uperior Materials, LLC
3	0701 W. 10 Mile Rd.
S	uite 500
F	armington Hills, MI 48336

	Total Wt	2950	17.68		100.0	< Verify this n	umber is 100%
Sieve	6AA	26	A	2NS	Cumulative % Passing	% Retained	Cumulative % Retained
2"	100.0	100	0.0	100.0	100.0	0.0	0.0
1.5"	100.0	100	0.0	100.0	100.0	0.0	0.0
1"	99.9	100	0.0	100.0	100.0	0.0	0.0
3/4"	83.7	100	0.0	100.0	92.3	7.7	7.7
1/2"	42.5	99.	2	100.0	72.6	19.7	27.4
3/8"	17.4	84.	8	100.0	58.7	13.9	41.3
#4	1.8	7.	1	98.8	40.3	18.4	59.7
#8	0.9	1.8	3	85.3	33.9	6.4	66.1
#16	0.9	1.	5	69.3	27.6	6.3	72.4
#30	0.8	1.3	3	50.7	20.3	7.3	79.7
#50	0.8	1.3	3	19.5	8.2	12.2	91.8
#100	0.8	1.2	2	2.7	1.6	6.6	98.4
LBW	0.7	1.	1	0.4	0.6	1.0	99.4

*Maximum % Retained must be above the 3/8" sieve.

*Any two adjacent sieves must equal 10% except max.,

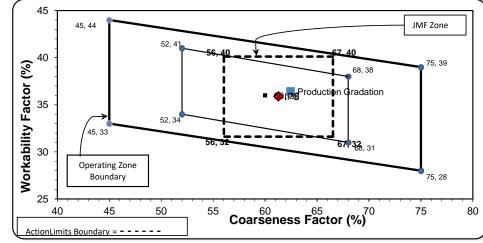
nom. max., #100 and #200 sieves.

*% Retained must be at least 4% for each sieve except max., nom. max., #100 and #200 sieves.

*% Retained must be at least 4% for the 3/4" sieve when

a 1.5" max. size (nom. Max. 1.0") aggregate is used.

Production Gradation		Aggregate Supplier Grad	lations	Adjusted WF	Intial Production Sample (IPS)		
Coarseness Factor:	62		Workability Factor:	34	36.4	Coarseness Factor:	
						Workability Factor:	



***	ability I actor.	30	
Sieve	Cumulative	%	Cumulative
Sieve	% 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
I BW	0.7	12	99.3

PREPARED BY: SM, LLC Technical Service

O Batch Plant Gradations

62

PLANT #: P-103

Production Gradation

Coarseness Factor:

Concrete Grade: DM, 4500HP 6/24/24 Sample Date: Dates Test Represents: 6/25/2024 7/1/2024

through

Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution
6AA	58-003	Stoneco	1400	8.34	2.69	47.5
26A	58-003	Stoneco	400	2.38	2.69	13.6
2NS	63-114	Highland	1150	6.95	2.65	39.0
	•	Total W/A	2050	47.00		100.0

MDOT No.:

Contractor:

Adjusted WF Intial Production Sample (IPS)

Coarseness Factor:

36.4

34



Superior Materials, LLC 30701 W. 10 Mile Rd. Suite 500 Farmington Hills, MI 48336

	Total Wt	2950 17.6	8	100.0	< Verify this no	umber is 100%
Sieve	6AA	26A	2NS	Cumulative % Passing	% Retained	Cumulative % Retained
2"	100.0	100.0	100.0	100.0	0.0	0.0
1.5"	100.0	100.0	100.0	100.0	0.0	0.0
1"	99.9	100.0	100.0	100.0	0.0	0.0
3/4"	83.7	100.0	100.0	92.3	7.7	7.7
1/2"	42.5	99.2	100.0	72.6	19.7	27.4
3/8"	17.4	84.8	100.0	58.7	13.9	41.3
#4	1.8	7.1	98.8	40.3	18.4	59.7
#8	0.9	1.8	85.3	33.9	6.4	66.1 n
#16	0.9	1.5	69.3	27.6	6.3	72.4
#30	0.8	1.3	50.7	20.3	7.3	79.7 n
#50	0.8	1.3	19.5	8.2	12.2	91.8
#100	0.8	1.2	2.7	1.6	6.6	98.4 a
LBW	0.7	1.1	0.4	0.6	1.0	99.4

Aggregate Supplier Gradations

Workability Factor:

*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 4% for the 3/4" sieve when

a 1.5" max. size (nom. Max. 1.0") aggregate is used.

		•						
	45	45, 44					JMF Zone	$\overline{\mathbb{T}}$
tor (%)	40 -		52, 41 		Production	68, 38 Gradation	75, 39	
Workability Factor (%)	35 -	45, 33 Operating Zone	52, 34 56, 3			57, 32 , 31		
Wor	25	Boundary	<u> </u>				75, 28	
Ac	40	45 its Boundary = 	50 55 	Coarsene	ess Factor	· (%) ⁷⁰	75	80

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"	99.3	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

61

PREPARED BY: SM, LLC Technical Service

Aggregate Optimization Chart

PLANT #: **12**

Sample Date:

6/24/24 Concrete Grade: DM, 4500HP

Dates Test Represents: 6/25/2024 7/1/2024 through

Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution
6AA	71-47	Presque Isle	1450	8.87	2.62	49.9
26A	71-47	Presque Isle	305	1.87	2.62	10.5
2NS	63-115	Ray Rd	1150	6.95	2.65	39.6
		Total Wt	2905	17.69		100.0

Contractor:

MDOT No.:

r is 100%	SUPERIOR MATERIALS

<---- Verify this number is 100%

Superior Materials, LLC
30701 W. 10 Mile Rd.
Suite 500
Farmington Hills, MI 48336

	Total III	71ai 111		100.0	voiny the number to 10076		
Sieve	6AA	26A	2NS	Cumulative % Passing	% Retained	Cumulative % Retained	
2"	100.0	100.0	100.0	100.0	0.0	0.0	
1.5"	100.0	100.0	100.0	100.0	0.0	0.0	
1"	95.9	100.0	100.0	98.0	2.0	2.0	
3/4"	74.7	100.0	100.0	87.4	10.6	12.6	
1/2"	28.6	96.0	100.0	63.9	23.4	36.1	
3/8"	14.4	86.0	100.0	55.8	8.1	44.2	
#4	3.2	20.8	95.9	41.7	14.1	58.3	
#8	2.1	4.3	80.4	33.3	8.4	66.7	
#16	1.8	2.2	65.1	26.9	6.4	73.1	
#30	1.8	1.8	49.4	20.6	6.3	79.4	
#50	1.8	1.7	25.9	11.3	9.3	88.7	
#100	1.7	1.6	5.6	3.2	8.1	96.8	
LBW	1.4	1.6	0.8	1.2	2.0	98.8	

*Maximum % Retained must be above the 3/8" sieve.

*Any two adjacent sieves must equal 10% except max.,

nom. max., #100 and #200 sieves.

63

*% Retained must be at least 4% for each sieve except max., nom. max., #100 and #200 sieves.

*% Retained must be at least 4% for the 3/4" sieve when

a 1.5" max. size (nom. Max. 1.0") aggregate is used.

Production Gradation (Batch Plant Gra	dations Aggregate Supplier Gradations	Adjusted WF	Intial Producti	on Sample (IPS)
Coarseness Factor:	66	Workability Factor: 33	35.8	Coars	seness Factor:
7 45			$\neg \top$	Work	ability Factor:
45, 44		JMF 2	one	Sieve	Cumulative % Passing
40	52, 41	57, 40 68, 40		2"	100.0
(%)		68, 38	, 39	1.5"	100.0
				1"	99.3
Factor 35		■ 60, GPS ■ Production Gradation		3/4"	89.0
35 -		i		1/2"	70.3
	52, 34	<u> </u>	- 11	3/8"	59.9
Operating Zone Boundary		57, 22	- 11	#4	41.9
2 30		े हैं है, औ	- 11	#8	35.9
Operating Zone	7		- 11	#16	27.8
Boundary		_ 7:	, 28	#30	18.9
> ₂₅				#50	6.3
40 45	50 55	5 _ 60 _65 _70 _75	80	#100	1.7
		Coarseness Factor (%) 70 75		LBW	1.0
ActionLimits Boundary =					

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"	99.3	0.7	0.7
3/4"	89.0	10.3	11.0
1/2"	70.3	18.7	29.7
3/8"	59.9	10.4	40.1
#4	41.9	18.0	58.1
#8	35.9	6.0	64.1
#16	27.8	8.2	72.2
#30	18.9	8.8	81.1
#50	6.3	12.6	93.7
#100	1.7	4.6	98.3
LBW	1.0	0.7	99.0

PREPARED BY: SM, LLC Technical Service

Aggregate Optimization Chart

PLANT #: p11 Contractor:

Sample Date: 6/24/24 Concrete Grade: DM, 4500HP 6/25/2024 7/1/2024 Dates Test Represents: through

Dates rest represents.		0/20/2021	unougn	17 172024		
Agg. Class	Pit#	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution
6AA	71-47	Presque Isle	1455	8.90	2.62	50.1
26A	71-47	Presque Isle	300	1.83	2.62	10.3
2NS	63-115	Ray Rd	1150	6.95	2.65	39.6
		Total Wt	2905	17.69		100.0

MDOT No.:

Verify this number is 100%

SUPERIOR	

Superior Materials, LLC 30701 W. 10 Mile Rd. Suite 500 Farmington Hills, MI 48336

	TOtal Wit	2905 17.	09	100.0	< verily this number is 100%		
Sieve	6AA	26A	2NS	Cumulative % Passing	% Retained	Cumulative % Retained	
2"	100.0	100.0	100.0	100.0	0.0	0.0	
1.5"	100.0	100.0	100.0	100.0	0.0	0.0	
1"	95.3	100.0	100.0	97.6	2.4	2.4	
3/4"	77.0	100.0	100.0	88.5	9.2	11.5	
1/2"	40.9	96.0	96.0 100.0	70.0 18.5	18.5	30.0	
3/8"	24.1	86.0	100.0	60.5	9.4	39.5	
#4	4.4	20.8	95.9	42.3	18.2	57.7	
#8	2.5	4.3	80.4	33.5 27.1	8.8 6.5	66.5 72.9	
#16	2.1	2.2	65.1				
#30	2.0	2.0 1.8	1.8 49.4	49.4	20.7	6.3	79.3
#50 1.9		1.7	25.9	11.4	9.4	88.6	
#100	1.8	1.6	5.6	3.3	8.1	96.7	
LBW 1.6		1.6	0.8	1.3	2.0	98.7	
Production Gra	adation O Batch Plant Grac	lations Aggregate Sup	plier Gradations	Adjusted WF	Intial Production	on Sample (IPS	

*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 4% for the 3/4" sieve when

a 1.5" max. size (nom. Max. 1.0") aggregate is used.

Production Gradation	Aggregate Supplier Gradation	ons	Adjusted WF	Intial Producti	on Sample (IPS)
Coarseness Factor: 59	Workability Factor:	34	36.0	Coars	eness Factor:
45			$\neg \top$	Work	ability Factor:
45, 44		JMF Zone	7	Sieve	Cumulative
52, 41				Sieve	% Passing
56.40	67, 40			2"	100.0
(%)	68, 38	75, 39		1.5"	100.0
	1			1"	100.0
	■Prodo®86n Gradaton		- 1	3/4"	95.0
35 35 S 34	i l		- 1	1/2"	72.3
02,07	i			3/8"	60.4
As, 33 Operating Zone Boundary	7 22			#4	42.6
<u>5</u> 30 -	67, 32 , 68, 31		- 1	#8	36.0
Operating Zone				#16	29.5
Boundary		75, 28		#30	20.3
S L L L L L L L L L L				#50	9.5
	60 65 70	75	80	#100	3.4
	arseness Factor (%) ⁷⁰	. 0	~~	LBW	1.3
ActionLimits Boundary =					•

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"	95.0	5.0	5.0
1/2"	72.3	22.8	27.7
3/8"	60.4	11.8	39.6
#4	42.6	17.8	57.4
#8	36.0	6.6	64.0
#16	29.5	6.5	70.5
#30	20.3	9.2	79.7
#50	9.5	10.8	90.5
#100	3.4	6.1	96.6
LBW	1.3	2.1	98.7

62

PREPARED BY: SM, LLC Technical Service

6/25/2024

PLANT #:

Dates Test Represents:

Sample Date: 6/24/24 Concrete Grade: DM, 4500HP

Contractor:

MDOT No.:

Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution
6AA	58-003	Stoneco	1400	8.34	2.69	47.5
26A	58-003	Stoneco	400	2.38	2.69	13.6
2NS	81-019	Pleasant Lake	1150	6.95	2.65	39.0
		Total M/4	2050	47.00		100.0

through

ft ³	Specific	%
IL	Gravity	Contribution
8.34	2.69	47.5
2.38	2.69	13.6
6.95	2.65	39.0
7.00		100.0

Superior Materials, LLC 30701 W. 10 Mile Rd. Suite 500 Farmington Hills, MI 48336

	l otal Wt	2950	2950 17.68		100.0	< Verify this number is 100%		
Sieve	6AA	26A		2NS	Cumulative % Passing	% Retained	Cumulative % Retained	
2"	100.0	10	0.0	100.0	100.0	0.0	0.0	
1.5"	100.0	10	0.0	100.0	100.0	0.0	0.0	
1"	99.9	10	0.0	100.0	100.0	0.0	0.0	
3/4"	83.7	10	0.0	100.0	92.3	7.7	7.7	
1/2"	42.5	99	9.2	100.0	72.6	19.7	27.4	
3/8"	17.4	84	1.8	100.0	58.7	13.9	41.3	
#4	1.8	7	.1	98.5	40.2	18.5	59.8	
#8	0.9	1	.8	86.4	34.4	5.9	65.6	
#16	0.9	1	.5	64.6	25.8	8.5	74.2	
#30	0.8	1.3		42.6	17.2	8.7	82.8	
#50	0.8	1.3		19.7	8.2	8.9	91.8	
#100	0.8	1	.2	3.0	1.7	6.5	98.3	
LBW	0.7	1	.1	0.4	0.6	1.1	99.4	

7/1/2024

*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 4% for the 3/4" sieve when

a 1.5" max. size (nom. Max. 1.0") aggregate is used.

	Production Gradation	Batch Plant Gradations • Aggregate Supplier Gradations			Adjusted WF	Intial Production Sample (IPS)		3)
Coarseness Factor		63	Workability Factor:	34	36.9	Coars	eness Factor:	
	45 1					Work	ability Factor:	
	45, 44			JMF Zone	7 I I	Sieve	Cumulative	
	1 1 10,44				- ∥	Sieve	% Passing	F
	1 1 1	52, 41	\rightarrow			2"	100.0	

45	45, 44 JMF Zone	
%) JC	52, 41 67, 40 68, 38 75, 39	
Workability Factor (%)	52, 34 56, 31 67, 89, 31	
Workab	Operating Zone Boundary 75, 28	
4	10 45 50 55 60 65 Factor (%) 70 75 80 mits Boundary =	,

		• • •	
Sieve	Cumulative	%	Cumulative
Sieve	% 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"	89.1	10.2	10.9
1/2"	70.5	18.6	29.5
3/8"	60.5	10.0	39.5
#4	44.1	16.4	55.9
#8	35.6	8.5	64.4
#16	27.7	7.9	72.3
#30	20.6	7.1	79.4
#50	8.7	11.8	91.3
#100	1.6	7.1	98.4
LBW	1.1	0.6	98.9

PREPARED BY: SM, LLC Technical Service

PLANT #:

Sample Date:

6/24/24 6/25/2024 Concrete Grade: DM, 4500HP

MDOT No.:

Contractor:

Dates Test Represents:		6/25/2024	through	7/1/2024		
Agg. Class	Pit #	Source	Weight (SSD)	ft ³	Specific Gravity	% Contribution
6AA	58-003	Stoneco	1400	8.34	2.69	47.5
26A	58-003	Stoneco	400	2.38	2.69	13.6
2NS	81-019	Pleasant Lake		6.95	2.65	39.0

	IVII
%	
ontribution	
47.5	
13.6	
39.0	

Superior Materials, LLC
30701 W. 10 Mile Rd.
Suite 500
Farmington Hills, MI 48336

	Total Wt	2950	17.68		100.0	< Verify this n	umber is 100%
Sieve	6AA	26	A	2NS	Cumulative % Passing	% Retained	Cumulative % Retained
2"	100.0	100	0.0	100.0	100.0	0.0	0.0
1.5"	100.0	100	0.0	100.0	100.0	0.0	0.0
1"	99.9	100	0.0	100.0	100.0	0.0	0.0
3/4"	83.7	100	0.0	100.0	92.3	7.7	7.7
1/2"	42.5	99	.2	100.0	72.6	19.7	27.4
3/8"	17.4	84	.8	100.0	58.7	13.9	41.3
#4	1.8	7.	1	98.5	40.2	18.5	59.8
#8	0.9	1.	8	86.4	34.4	5.9	65.6
#16	0.9	1.	5	64.6	25.8	8.5	74.2
#30	0.8	1.	3	42.6	17.2	8.7	82.8
#50	0.8	1.	3	19.7	8.2	8.9	91.8
#100	0.8	1.	2	3.0	1.7	6.5	98.3
LBW	0.7	1.	1	0.4	0.6	1.1	99.4

*Maximum % Retained must be above the 3/8" sieve.

*Any two adjacent sieves must equal 10% except max.,

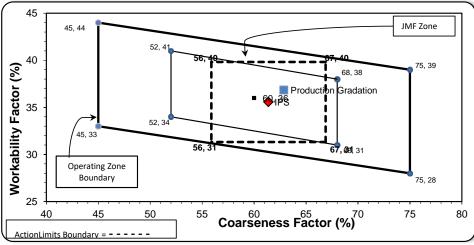
nom. max., #100 and #200 sieves.

*% Retained must be at least 4% for each sieve except max., nom. max., #100 and #200 sieves.

*% Retained must be at least 4% for the 3/4" sieve when

a 1.5" max. size (nom. Max. 1.0") aggregate is used.

	Production Gradation	Batch Plant Gradations		Aggregate Supplier Gradations		Adjusted WF)	
	Coarseness Factor:	63		Workability Factor:	34	36.9	Coarseness Factor:	61
•	45						Workability Factor:	36



WOI	Rability Factor.	30	
Sieve	Cumulative	%	Cumulative
Sieve	% 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"	89.1	10.2	10.9
1/2"	70.5	18.6	29.5
3/8"	60.5	10.0	39.5
#4	44.1	16.4	55.9
#8	35.6	8.5	64.4
#16	27.7	7.9	72.3
#30	20.6	7.1	79.4
#50	8.7	11.8	91.3
#100	1.6	7.1	98.4
LBW	1.1	0.6	98.9

PREPARED BY: SM, LLC Technical Service

PLANT #: **P-02**

Sample Date:

Sieve

2"

1.5'

3/4'

1/2

3/8'

#4

6/24/24 6/25/2024

6AA

100.0

100.0

95.9

74.7

28.6

14.4

3.2

Concrete Grade: DM, 4500HP

2NS

100.0

100.0

100.0

100.0

100.0

100.0

95.9

Contractor:

MDOT No.:

	. 3	Specific	0./
Agg. Class Pit # Source Weight (SSD)	ft ³	•	% Contribution
6AA 71-47 Presque Isle 1450	8.87	2.62	49.9
26A 71-47 Presque Isle 305	1.87	2.62	10.5
2NS 63-115 Ray Rd 1150	6.95	2.65	39.6

26A

100.0

100.0

100.0

100.0

96.0

86.0

20.8

COLUMNO	Meight (000)	ft ³	Specific	%	
Source	Weight (SSD)	π	Gravity	Contribution	
sque Isle	1450	8.87	2.62	49.9	
sque Isle	305	1.87	2.62	10.5	
Ray Rd	1150	6.95	2.65	39.6	
Total Wt	2905	17.69		100.0	

100.0	< Verify this number is 100%		
100.0	C Verily tills III	uniber is 100 /6	1
Cumulative % Passing	% Retained	Cumulative % Retained	
100.0	0.0	0.0	
100.0	0.0	0.0	
98.0	2.0	2.0	
87.4	10.6	12.6	
63.9	23.4	36.1	
55.8	8.1	44.2	*M
41.7	14.1	58.3	*A
33.3	8.4	66.7	nom
26.9	6.4	73.1	*%
20.6	6.3	79.4	nom
11.3	9.3	88.7	*%
2.2	0.1	06.0	_ 4

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Maximum % Retained must be above the 3/8" sieve.

Any two adjacent sieves must equal 10% except max.,

m. max., #100 and #200 sieves.

% Retained must be at least 4% for each sieve except max., m. max., #100 and #200 sieves.

% Retained must be at least 4% for the 3/4" sieve when

a 1.5" max. size (nom. Max. 1.0") aggregate is used.

	⁺³							Cumulativa
,	45							ability Factor
	Coarseness Factor:		66	Workability Factor: 33		35.8	Coarseness Facto	
Production Gradation						on Sample (IF		
	LBW		1.4	1.6	0.8	1.2	2.0	98.8
	#100		1.7	1.6	5.6	3.2	8.1	96.8
	#50		1.8	1.7	25.9	11.3	9.3	88.7
	#30		1.8	1.8	49.4	20.6	6.3	79.4
	#16		1.8	2.2	65.1	26.9	6.4	73.1
	#8		2.1	4.3	80.4	33.3	8.4	66.7

Workability Factor (%)	45, 44 52, 41 58, 39 68, 39 68, 39 68, 38 75, 39 Operating Zone Boundary 75, 28
4	40 45 50 55 60 65 70 75 80 mits Boundary =

****	ability I actor.	33	
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"	95.1	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

63 35

PREPARED BY: SM, LLC Technical Service