PLANT #: P-102

3/12/18 Sample Date:

Contractor:

Concrete Grade:

S<sub>2</sub>M

pates Test Represents:		3/12/2018	το	3/18/2018		
∖gg. Class	Pit#	Source	Weight (SSD)	ft <sup>3</sup>	Specific Gravity	% Contribution
6AA	58-003	Stoneco	1400	8.34	2.69	44.3
26A	58-003	Stoneco	500	2.98	2.69	15.8
2NS	47-16	Buno Road	1260	7.62	2.65	39.9

MDOT No.:

SUPERIOR
MATERIALS

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

	Total Wt	3160	18.94		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"	100.0	100	0.0	100.0	100.0	0.0	0.0
3/4"	77.8	100	0.0	100.0	90.2	9.8	9.8
1/2"	33.0	99	.7	100.0	70.3	19.9	29.7
3/8"	18.4	88	.9	100.0	62.1	8.2	37.9
#4	5.2	22	.8	96.1	44.2	17.9	55.8
#8	2.4	5.	6	86.3	36.4	7.9	63.6
#16	0.8	2.	5	73.3	30.0	6.4	70.0
#30	0.7	1.	8	54.1	22.2	7.8	77.8
#50	0.6	1.	7	19.4	8.3	13.9	91.7
#100	0.5	1.	6	2.8	1.6	6.7	98.4
LBW	1.2	1.	4	0.5	1.0	0.6	99.0

\*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

a 2" max. size (nom. Max. 1.5") aggregate is used.

O Batch Plant Gradations Aggregate Supplier Gradations **Production Gradation Coarseness Factor:** 60 **Workability Factor:** 36 JMF Zone 75, 39 Workability Factor (%) 52, 34 Operating Zone 75, 28 Boundary 25 Coarseness Factor (%) $^{70}$ 45 50 75 80 ActionLimits Boundary = - - - - -

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"	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