

# MECHANICAL ANALYSIS REPORT

COLLECTION DATE:

September 5, 2006

SOURCE:

Tecumseh MDOT Pit No. 46-051/ ODOT 04159-01

SAMPLE ID:

2NS Fine Aggregate

LOCATION SAMPLE COLLECTED:

Loadout

SIEVE	INDIVIDUAL % RETAINED	CUMULATIVE % PASSING	MI 2NS SPEC % PASSING	ODOT 2NS SPEC % PASSING
3" (75mm)	0.0	100		
2-1/2" (62.5mm)	0.0	100		
2" (50mm)	0.0	100		
1 1/2"(37.5mm)	0.0	100		
1" (25mm)	0.0	100		
3/4" (19mm)	0.0	100		
1/2" (12.5mm)	0.0	100		
3/8"(9.5mm)	0.0	<b>100</b>	<b>100</b>	<b>100</b>
No. 4 (4.75mm)	1.2	<b>99</b>	<b>95-100</b>	<b>95-100</b>
No. 8 (2.36mm)	4.8	<b>94</b>	<b>65-95</b>	<b>70-100</b>
No. 16 (1.18mm)	22.2	<b>72</b>	<b>35-75</b>	<b>38-80</b>
No. 30 (600um)	29.4	<b>42</b>	<b>20-55</b>	<b>18-60</b>
No. 50 (300um)	27.8	<b>15</b>	<b>10-30</b>	<b>5-30</b>
No. 100 (150um)	11.3	<b>3</b>	<b>0-10</b>	<b>1-10</b>
No. 200lbw(75um)		<b>1.2</b>	<b>0-3</b>	<b>0-5</b>

**FM**

**2.75**

Test Methods ASTM C-136, AASHTO T248, AASHTO T27, MTM-108, MTM-109

2NS Fine Aggregate moisture

3.10%

RESPECTFULLY SUBMITTED:

Chip Tokar