

## MECHANICAL ANALYSIS REPORT

COLLECTION DATE:

September 4, 2006

SOURCE:

Genoa Quarry--ODOT P/S 04118-01

SAMPLE ID:

57 Coarse Graded Aggregate

LOCATION SAMPLE COLLECTED:

Production/Loadout

SIEVE	INDIVIDUAL % RETAINED	CUMULATIVE % PASSING	ODOT 57 SPEC % PASSING
3" (75mm)			
2-1/2" (62.5mm)			
2" (50mm)			
1 1/2"(37.5mm)	0.0	<b>100</b>	<b>100</b>
1" (25mm)	0.0	<b>100</b>	<b>95-100</b>
3/4" (19mm)	7.7	92	
1/2" (12.5mm)	45.2	<b>47</b>	<b>25-60</b>
3/8"(9.5mm)	18.8	28	
No. 4 (4.75mm)	21.3	<b>7</b>	<b>0-10</b>
No. 8 (2.36mm)	3.8	<b>3</b>	<b>0-5</b>
No. 16 (1.18mm)			
No. 30 (600um)			
No. 50 (300um)			
No. 100 (150um)			
LBW #200 (75um)		<b>1.6</b>	<b>0-3.4</b>

	Result	ODOT Spec
<b>LA Abrasion</b>	<b>29</b>	<b>40 % Max</b>
<b>Specific Gravity</b>	<b>2.68</b>	
<b>Absorption</b>	<b>2.00</b>	
<b>% Chert</b>	<b>0</b>	<b>0.5</b>
<b>% Shale</b>	<b>0</b>	<b>0.5</b>
<b>% Coal/Lignite</b>	<b>0</b>	<b>0.25</b>
<b>SSSoundness loss %</b>	<b>1</b>	<b>15% Maximun</b>

Test Methods ASTM C-136, AASHTO T248, AASHTO T27