

MECHANICAL ANALYSIS REPORT

COLLECTION DATE:

September 4, 2006

SOURCE:

Genoa Quarry--ODOT P/S 04118-01

SAMPLE ID:

304 Dense Graded Aggregate Base

LOCATION SAMPLE COLLECTED:

Loadout

| SIEVE | INDIVIDUAL % RETAINED | CUMULATIVE % PASSING | OH 304 SPEC % PASSING |
|-----------------|--------------------------|-------------------------|--------------------------|
| 3" (75mm) | | | |
| 2-1/2" (62.5mm) | | | |
| 2" (50mm) | 0.0 | 100 | 100 |
| 1 1/2"(37.5mm) | 4.1 | 96 | |
| 1" (25mm) | 16.5 | 79 | 70-100 |
| 3/4" (19mm) | 10.6 | 69 | 50-90 |
| 1/2" (12.5mm) | 10.7 | 58 | |
| 3/8"(9.5mm) | 6.1 | 52 | |
| No. 4 (4.75mm) | 13.6 | 39 | 30-60 |
| No. 8 (2.36um) | 8.8 | 30 | |
| No. 16 (1.18mm) | 7.6 | 22 | |
| No. 30 (600um) | 4.6 | 18 | 09-33 |
| No. 50 (300um) | 3.6 | 14 | |
| No. 100 (150um) | 3.2 | 11 | |
| LBW (75um) | | 8 | 0-15 |

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

| | RESULT | ODOT SPECIFICATION |
|--------------------|--------|--------------------|
| % Chert | 0% | Max 5% (sstest) |
| % Shale | 0% | Max 5% by wt. |
| Soundness Loss | 5% | max 15% |
| LA Abrasion | 36% | max 50% |
| % Crushed Material | 100% | Min 90% |

304 Long Graded Aggregate