

TEXAS DEPARTMENT OF TRANSPORTATION
CHILDRESS DISTRICT LABORATORY
CHILDRESS, TX 79201

SUMMARY OF TRIAXIAL OR COMPRESSIVE STRENGTH

| | | | | | |
|-----------------|---------------------|----------------|---------------------|---------------|----------------------|
| Laboratory No.: | 01-770D | Contract No.: | 6013220 | Mat'l. Code: | |
| District: | CHS/25 | Date Sampled: | 12/7/2001 | Spec. Item: | 247 |
| County: | KNOX | Date Received: | 12/7/2001 | Material: | BASE |
| Engr./Foreman: | GARY J. MIZER, P.E. | Date Reported: | 1/22/2002 | Quantity: | |
| CSJ#: | 0157-02-033 | Contractor: | Contract Paving Co. | Unit: | |
| Fed. Proj.#: | NH 2001(121) | Producer: | J. H. Strain & Sons | I.D. Marks: | |
| Highway: | US 277 | Producer Code: | | Sampled From: | Stockpile - Bean Pit |

Crushed Limestone Base Summary

| TRIAxIAL TEST NO. | | | | |
|-------------------------|-----------|------------------|-----------|------------------|
| MATERIAL | | | | |
| SOIL CONSTANTS | | | | |
| LIQUID LIMIT | 22 | | | |
| PLASTICITY INDEX | 8 | | | |
| LINEAR SHRINKAGE | 6 | | | |
| % - 40 SIEVE | 13.0 | | | |
| % + 1 1/4" | 7.6 | | | |
| % + 7/8" | 11.4 | | | |
| % + 3/8" | 21.1 | | | |
| % + # 4 | 19.6 | | | |
| % + #10 | 14.3 | | | |
| % + #40 | 13.0 | | | |
| TRIAxIAL TEST RESULTS | | | | |
| COMPRESSIVE STRENGTH | 4% Flyash | 4% Flyash w/EN 1 | 2% Flyash | 2% Flyash w/EN 1 |
| DRY DENSITY #/CU. FT. | 131.5 | 133.4 | 130.0 | 133.3 |
| % MOLDING MOISTURE | 8.1 | 7.8 | 9.2 | 8.2 |
| % MOISTURE AFTER CURE | 4.1 | 4.2 | 5.8 | 4.7 |
| % MOISTURE AFTER CAPIL | 8.8 | 8.5 | 9.0 | 8.4 |
| % VOLUMETRIC SWELL | 0.0 | 0.0 | 0.0 | 0.0 |
| COMPRESSIVE @ 0 # LAT. | 74.1 | 162.4 | 28.5 | 109.9 |
| COMPRESSIVE @ 15 # LAT. | 240.0 | 336.9 | 189.2 | 303.6 |
| TRIAxIAL CLASS | | | | |

cc:
LAB
MIZER
HOSEA