

TEXAS DEPARTMENT OF TRANSPORTATION  
CHILDRESS DISTRICT LABORATORY  
CHILDRESS, TX 79201

SUMMARY OF TRIAXIAL OR COMPRESSIVE STRENGTH

Laboratory No.:	02-251D	Contract No.:	6013220	Mat'l. Code:	
District:	CHS/25	Date Sampled:	2/19/2002	Spec. Item:	247
County:	KNOX	Date Received:	2/19/2002	Material:	BASE
Engr./Foreman:	GARY J. MIZER, P.E.	Date Reported:	7/15/2002	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

TRIAxIAL TEST NO.				
MATERIAL	Crushed Limestone Base raw and with 3% EN-1			
SOIL CONSTANTS				
LIQUID LIMIT				
PLASTICITY INDEX				
LINEAR SHRINKAGE				
% - 40 SIEVE	11.7			
% + 1 1/4"	5.1			
% + 7/8"	12.2			
% + 3/8"	15.7			
% + # 4	23.5	Total +4 = 56.5		
% + #10	16.8			
% + #40	15.0	Total +40 = 88.3		
TRIAxIAL TEST RESULTS				
COMPRESSIVE STRENGTH	<b>Raw</b>	<b>W/ 3% EN 1</b>		
DRY DENSITY #/CU. FT.	131.9	133.0		
% MOLDING MOISTURE	9.3	8.1		
% MOISTURE AFTER CURE	5.9	4.7		
% MOISTURE AFTER CAPIL	8.6	8.0		
% VOLUMETRIC SWELL	0.0	0.0		
<b>COMPRESSIVE @ 0 # LAT.</b>	<b>28.8</b>	<b>87.0</b>	Spec.	45 min.
<b>COMPRESSIVE @ 15 # LAT.</b>	<b>196.5</b>	<b>287.0</b>		175 min.
TRIAxIAL CLASS	2.5	1		

cc:  
LAB  
MIZER  
HOSEA