

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