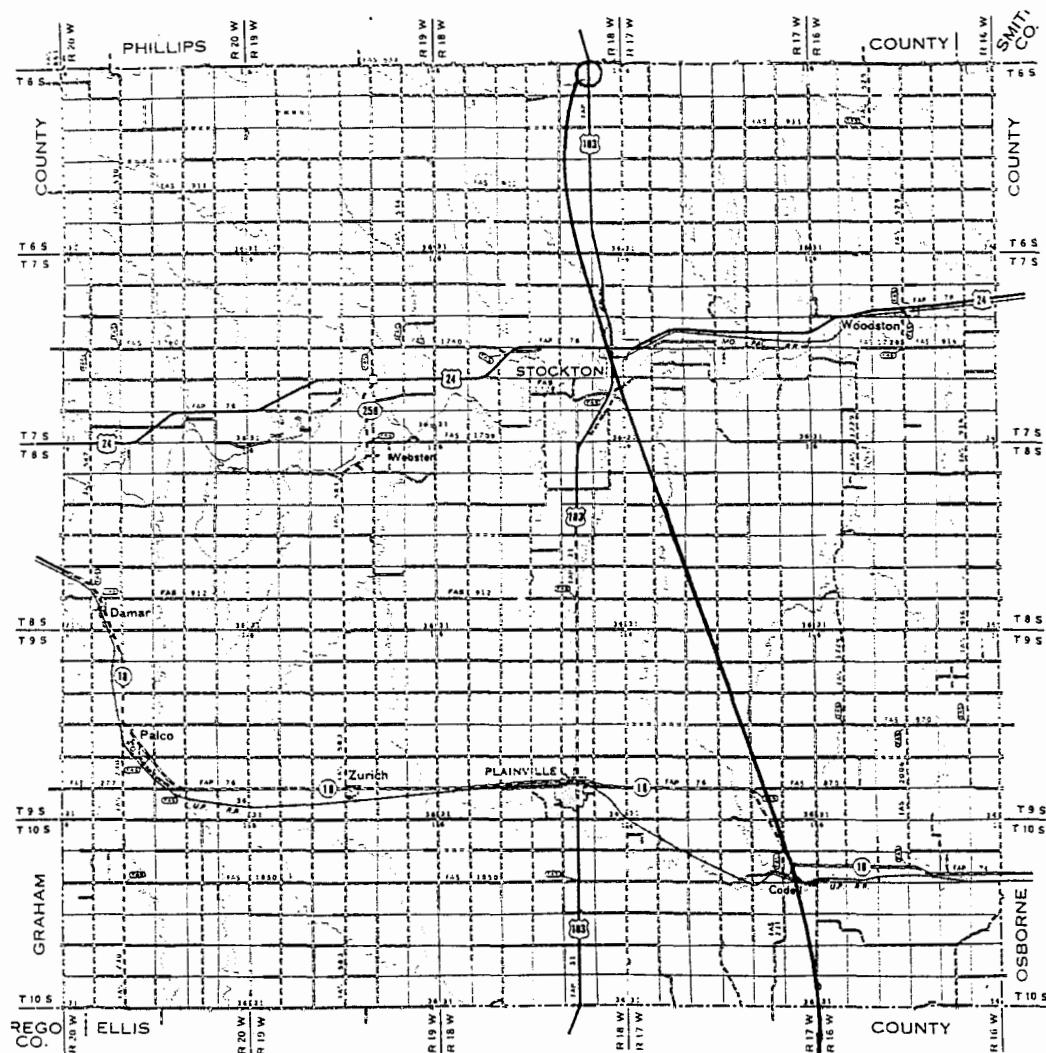


Kansas Department of Transportation

BRIDGE FOUNDATION GEOLOGY REPORT

2ACØ



NW NW 1-6-18w

183-82 K-3835-01
Br. No. 29.92
Rooks County

ROUTE NO. 183

SOUNDING NO. CD #2

SHEET 1 OF 2

KANSAS DEPARTMENT OF TRANSPORTATION

COUNTY Phillips

PROJECT NO. 183-82-K-3835-01 BRIDGE NO. 29.92

DESCRIPTION Pier No. 1, 30' Lt. &

STA. 441+21.50

GEOLOGIST John Chitwood

VERTICAL SCALE 1" = 10'

DATE Aug. 14, 1990

BIT TYPE & NO.	GEOLOGIC NAME	GEOLOGIC COLUMN	GROUNDWATER ELEVATION	DEPTH	ELEVATION	GEOLOGIC DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION	STANDARD PENETRATION OR CASING DRIVE	
								BLOWS	ELEV.
						T.H.EI. 1809.80			
	Alluvium			5 ²	1804.1	Silty clay, brown, slightly damp			
				16 ⁶	1793.2				1795.6
				18 ²	1791.1	Sand, coarse, scattered gravel			1790.4
				20 ²	1789.8	Shale, wtd, gray	Qu = 4.99 TSF	STOPPED DRIVING PRIOR TO REFUSAL	1789.1
				23 ²		Shale, clayey, dark gray	Qu = 7.77 TSF		1784.2
				28 ²			Qu = 7.89 TSF		1779.5
				32 ⁵			Qu = 9.18 TSF		1776.0
				35 ²			Qu = 8.16 TSF		1773.6
				40 ²			Qu = 10.15 TSF		1769.8
Core No. 1						20 ² - 23 ² (1789.8 - 1786.6)			
						Cut 3 ² - Rec. 3 ²			
						R.Q.D. 34% Core Rec. 100%			
Core No. 2						23 ² - 28 ² (1786.1 - 1781.1)			
						Cut 5 ² - Rec. 4 ⁹⁵			
						R.Q.D. 74% Core Rec. 99%			
Core No. 3						28 ² - 32 ⁵ (1781.1 - 1777.3)			
						Cut 3 ² - Rec 3 ²			
						RQD 92% CORE REC. 100%			

ROUTE NO.

183

SOUNDING NO. CD#2

SHEET 2 OF 2

KANSAS DEPARTMENT OF TRANSPORTATION

COUNTY *Phillips*PROJECT NO. *183-82-K-3835-01* BRIDGE NO. *29.92*DESCRIPTION *Pier No. 1, 30' Lt &*STA. *441+21.50*GEOLOGIST *John Chitwood*VERTICAL SCALE *1" = 10'*DATE *Aug. 14, 1990*

BIT TYPE & NO.	GEOLOGIC NAME	GEOLOGIC COLUMN	GROUNDWATER ELEVATION	DEPTH	ELEVATION	GEOLOGIC DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION	STANDARD PENETRATION OR CASING DRIVE	
								BLOWS	ELEV.
						<u>Core No. 4</u> 32 ⁵ - 35 ² (1777.3 - 1774.8) Cut 2 ⁵ - Rec 2 ⁵ RQD 100% Core Rec. 100% <u>Core No. 5</u> , 35 ² - 40 ² (1774.8 - 1769.8) Cut 5 ² - Rec 5 ² RQD 100% Core Rec. 100%			