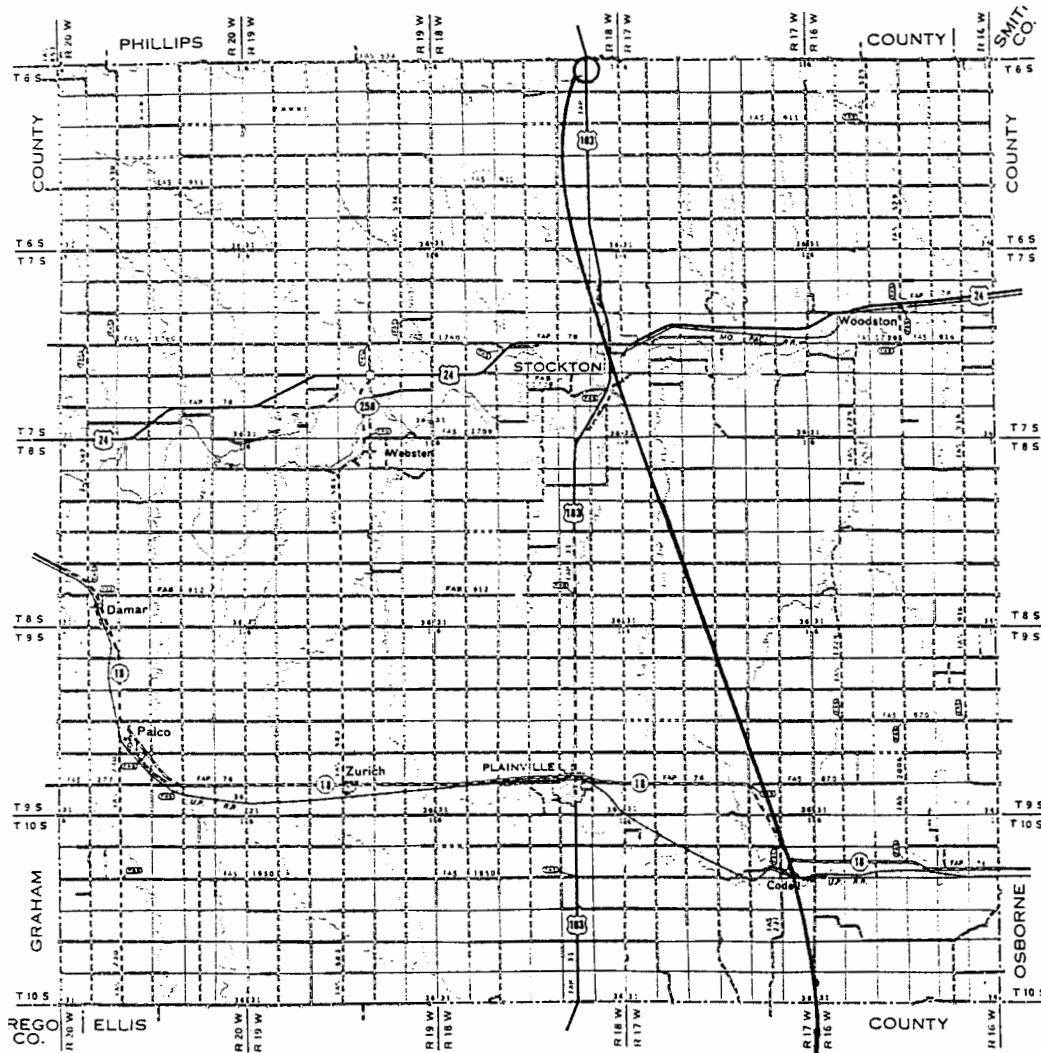


Kansas Department of Transportation

BRIDGE FOUNDATION GEOLOGY REPORT

2BDØ



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

NW NW 1-6-18W

KANSAS DEPARTMENT OF TRANSPORTATION

COUNTY *Rooks*

PROJECT NO. *183-82-K-3835-01*

BRIDGE NO. *29.92*

DESCRIPTION *Pier No. 1 23' Lt. E*

STA. *441+20.80*

GEOLOGIST *John Chitwood*

VERTICAL SCALE *1"=10'*

DATE *10/24/89*

BIT TYPE & NO.	GEOLOGIC NAME	GEOLOGIC COLUMN	GROUNDWATER ELEVATION	DEPTH	ELEVATION	GEOLOGIC DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION	STANDARD PENETRATION OR CASING DRIVE	
								BLOWS	ELEV.
						Top Hole Elevation 1809.7 silty clay dark brown			
				13'	1797.7	Sand, fine to coarse, small gravel in lower part			1796 ±
				19'	1790.7				
				24'	1785.3	Shale, weathered, dark gray			
						Shale, silty, dark gray			1780 ±
					1780.0	Core #1, 26' - 31' (1785' - 1778')			
						Cut 5' REC. 4'			
						R.Q.D. 42% CORE REC. 90%			
						Core #2 31' - 36' (1775' - 1773')			
						Cut 5' REC. 5'			
						R.Q.D. 100% CORE REC. 100%			
					1770.0	Core #3 36' - 38' (1773' - 1771')			
						Cut 2' REC. 2'			
						R.Q.D. 100% CORE REC. 100%			
						Core #4 38' - 42' (1771' - 1766')			
						Cut 4' REC. 4'			
						R.Q.D. 86% CORE REC. 35%			
					1760.0	Core #5 42' - 47' (1760' - 1757')			
						Cut 4' REC. 4'			
						R.Q.D. 80% CORE REC. 0%			
						Core #6 47' - 51' (1757' - 1755')			
						Cut 4' REC. 4'			
						R.Q.D. 94% CORE REC. 100%			
						Core #7 51' - 55' (1755' - 1747')			
						Cut 4' REC. 4'			
						R.Q.D. 100% CORE REC. 100%			
				55'	1754.7				

Cores 1-7
Blue Hill Shale