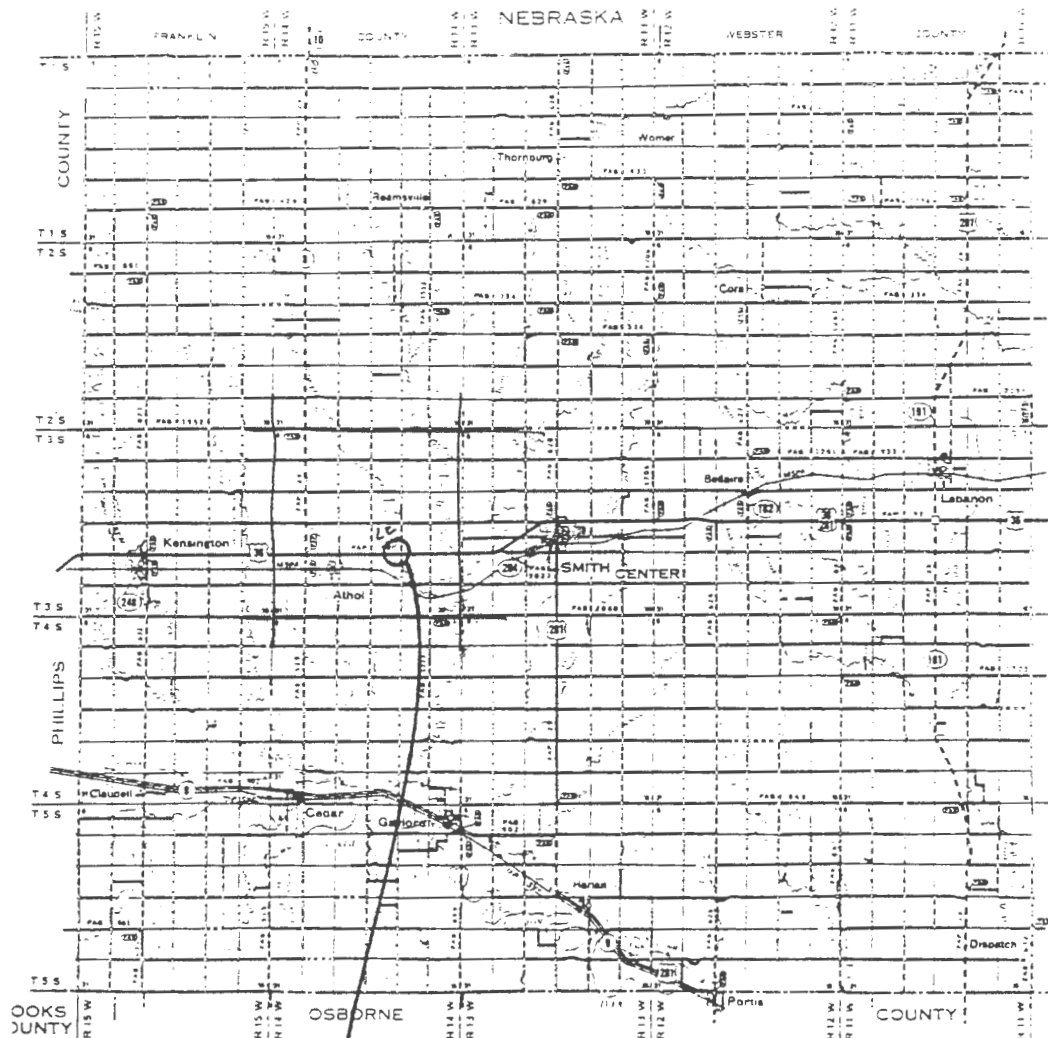


Kansas Department of Transportation

BRIDGE FOUNDATION GEOLOGY REPORT



SE-SE-22 - T3S - R14W

0-67'

Cretaceous

Smoky Hill chalk (Niobrara)

36-92 K-2634-01

Br. No. 9.87

Smith County

KANSAS DEPARTMENT OF TRANSPORTATION

COUNTY Smith

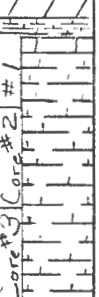
PROJECT NO. 36-92 K-2634-01 BRIDGE NO. 9.87

DESCRIPTION US-36 over West Beaver Creek STA. 437+89 Lt. 175

GEOLOGIST R. Hutchinson

VERTICAL SCALE 1" = 10'

DATE 10-10-91

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. Elev. - 1725.0			
3 1/2" Hawthorne	Alluvium			10.0	1720	Silt, Sandy, Brown	shelby tube 1718.0 Qu. 2.19		
					1715.0		1713.0 Qu. 1.26		
					1710	Clay, Fin. sand, Brown	1703.0 Qu. 1.48		
Diamond Smoky Hill Chalk	Core #2 #1			53.3 T.O.	1700				
					1690				
					1686.5	Sh, chalky, gray			
					1685.3	Gr., chaky, lt. gray to white			
					1684.4				
	Core #2 #2			53.3 T.O.	1680	Sh, chalky, gray			
					1671.7				
					1670				
					1670				
					1670				
	Core #2 #3			53.3 T.O.	1670				
					1670				
					1670				
					1670				
					1670				

KANSAS DEPARTMENT OF TRANSPORTATIONCOUNTY *Smith*PROJECT NO. *36-92 K-2634-01* BRIDGE NO. *9.87*DESCRIPTION *U.S.-36 over West Brown Creek* STA. *457+99, L+ 175*GEOLOGIST *R. Hutchinson*

VERTICAL SCALE

DATE *10-10-91*

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 #1</u> , 325 - 433 (1685.5 - 1691.7) Cut 3 ¹ / ₂ Rec. 3 ¹ / ₂ R.Q.D. 3% Core Rec. 26%			
						<u>Core #2</u> , 433 - 483 (1691.7 - 1676.7) Cut 5 ¹ / ₂ Rec. 5 ¹ / ₂ R.Q.D. 10% Core Rec. 103%			
						<u>Core #3</u> , 483 - 533 (1676.7 - 1671.7) Cut 5 ¹ / ₂ Rec. 5 ¹ / ₂ R.Q.D. 22% Core Rec. 100%			