



GENERAL HIGHWAY MAP
POTTAWATOMIE COUNTY
 KANSAS

PREPARED BY THE
 KANSAS DEPARTMENT OF TRANSPORTATION
 BUREAU OF TRANSPORTATION PLANNING
 IN COOPERATION WITH THE
 U. S. DEPARTMENT OF TRANSPORTATION
 FEDERAL HIGHWAY ADMINISTRATION

SCALE
 1990

16-75 K-5654-01

Br. No. 16-75- 36.52 (023)

K-16 over Vermillion Creek



KANSAS DEPARTMENT OF TRANSPORTATION

RTE./CO. 16-75	SOUNDING NO. CD#1	SHEET / OF 2
BRIDGE STA. 10+548.500	PROJ. NO. K-5654-01	BRIDGE NO. 16-75-3652(023)
SITE NAME K-16 over Vermillion Creek		HOLE STA. 10+584.6, 6.1Rt
GEOLOGIST D. Streiler	SCALE: 1:100 (10mm = 1 Meter)	DATE 4-99
DRILLER B. Berigman	RIG TYPE B-61	TOP HOLE ELEV. 328.171
GROUNDWATER ELEV 325.18	TOTAL DEPTH 28.76	M/B ELEV. 309.83

BIT TYPE	GEOLOGIC NAME	STRATIGRAPHIC COLUMN	DEPTH	ELEVATION	CLASSIFICATION OF MATERIALS DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION (KPa)	STANDARD PENETRATION OR CASING DRIVE	
							BLOWS sample #	ELEV
			0.00	328.171	THE.			
			0.60	327.57	Dark Brown Silty clay	118.9	Sh-1	327.57
					Gray-Brown Silty clay			
			2.83	325.39 325.18 w/ 5-50	light brown silty clay - moist, soft	181.1	Sh-2	324.74
			6.96	321.71	Gray Silty clay - Wet	34.6	Sh-3	321.71
			11.94	316.23	Dark Gray silty clay	221.2	Sh-4	316.67
			12.54	315.63	Gray-Green silty clay w/ some sand	94.4	Sh-5	315.63
			14.28	313.19	Gray-green silty clay - med. sand @ base			

Carbide

Soil Mantle



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							BLOWS Sample #	ELEV	
Carbide	Soil Mantle		15.58	312.59	Gray, Medium Sand	87.1	5n-6	312.59	
				311					
Diamond	Shale Formation		18.94	309.83 309.53 309.23	Gray Shale	329.0	S-1	309.27	
			19.54	308.63 308.36	Gray shale - ripple drift cross laminations	2686.0	S-2	308.92	
			20.17	308.00	Gray sandstone - shaly				
			21.37	307	Gray Shale w/ ss lenses				
			22.95	306	Gray Shale - ripple drift cross laminations				
			24.32	305	305.72	Gray Shale - varved, gypsum layer @ 23.30	1771.7	S-3	305.02
			25.02	304	303.85	Light Gray shale - blocky, soft, poorly lithified	2050.3	S-4	303.85
			25.85	303	303.15	Gray shale, ripple drift x-lam w/ varved zones			
			26.30	302	302.32	Gray shale - blocky			
			28.13	301	301.87	Gray shale - ripple drift x-lam	1774.2	S-5	301.38
			28.63	300	300.04				
			28.76 TD	299	299.54 299.41	Gray Shale - blocky Gray Shale - ripple drift x-lam			