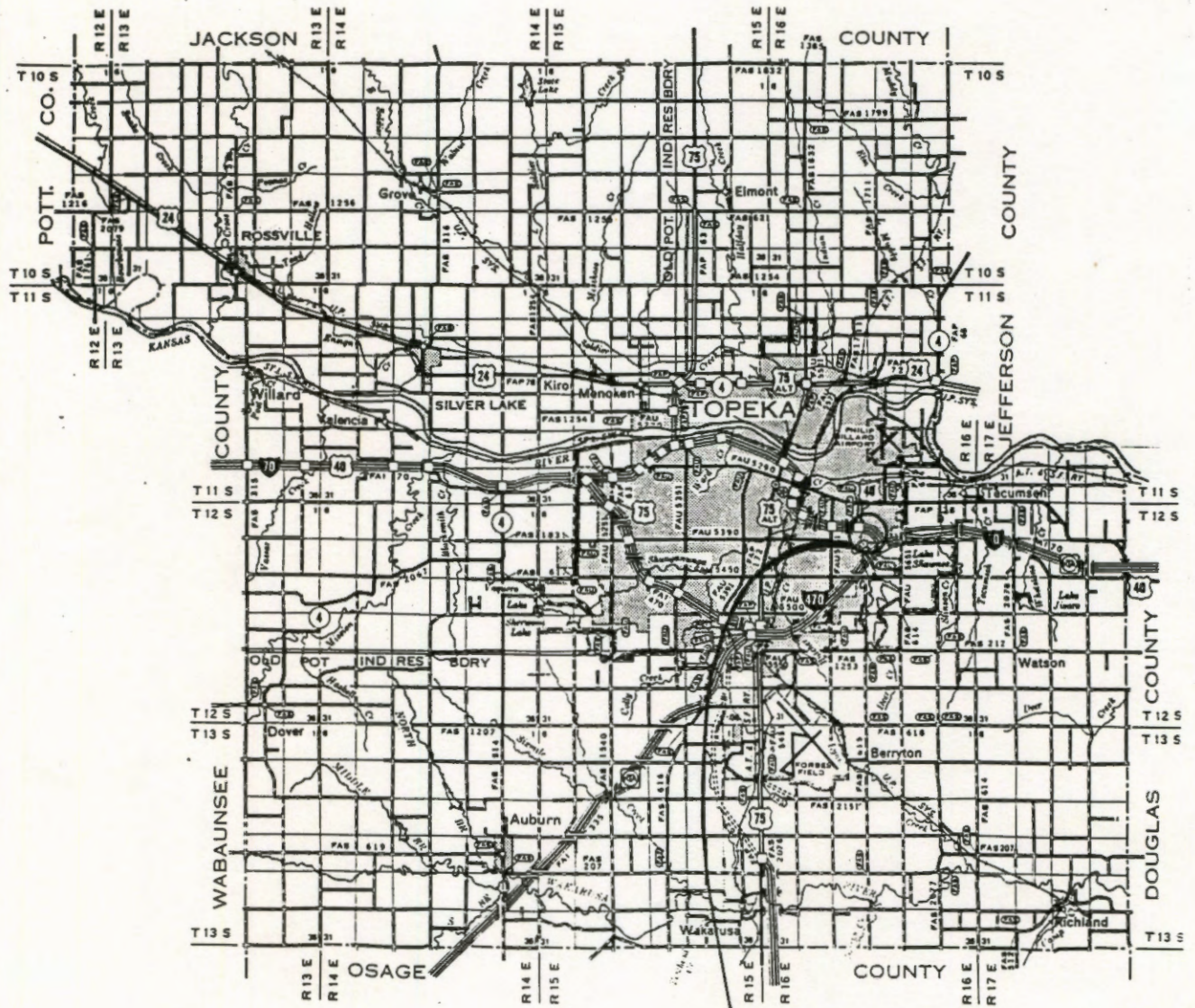


Kansas Department of Transportation

BRIDGE FOUNDATION GEOLOGY REPORT



SW-3-12S-16E

0-78'

Shawnee

Curzon limestone to
upper Erie Creek
limestone

4-89 K-3362-03
Br. No. 19.22
Shawnee County

KANSAS DEPARTMENT OF TRANSPORTATION



ROUTE-COUNTY NO. 004-089	SOUNDING NO. 1	SHEET 01 OF 03
BRIDGE STA. 401+94.03	PROJECT NO. K3362-03	BRIDGE NO. 19.22
DESCRIPTION Ramp B		HOLE STA. 403+68.174 B
GEOLOGIST Billinger	VERTICLE SCALE 1"=10'	DATE 5-18-93
DRILLER Farley	RIG B-61	ELEVATION TOP OF HOLE 969.1
GROUND WATER ELEV. 946.6	TOTAL DEPTH OF HOLE 790	ELEVATION TOP OF ROCK 954.9

BIT TYPE & NO.	GEOLOGIC NAME	STRATIGRAPHIC COLUMN	DEPTH	ELEVATION	CLASSIFICATION OF MATERIALS DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION	STANDARD PENETRATION OF CASING DRIVE	
							Depth	ELEV.
			0°	969.1			0°	
Casing	Mantle	50/25		960	Mantle, clay with limestone rubble, some larger limestone pieces in the lower 1°			960
	Curzon Mbr.		15.7	953.4	Limestone weathered, orange to gray brown			
	Towa Point		16.5	952.6	Shale, soft, clayey			
	Hartford Mbr.		17.8	951.3	Limestone, grayish-brown, weathered			
			19.3	949.8	Shale, soft, yellowish brown to orangish	183.140	20°	949.1
			24.7	944.4	Limestone, upper 0.5' weathered, orange-brown middle section massive, hard, gray lower 0.8' shaly, impure, gray	500.900	21.8	947.3
			28.1	941.0	Shale, dark gray, sandy, micaceous	6.117	25.6	943.5
	coal seam		30.2	938.4	Sandstone, very shaly, dark gray	12.007	29.4	939.7
			33.2	936.1	Shale, sandy, dark gray	33.007	32.2	936.9
			36.6	932.5	Sandstone, shaly upper + lower, gray	63.423	34.7	934.4
				930	Shale, sandy, numerous thin sandstone lenses, gray	52.053	38.2	930.9
			43.1	926.0		5.432	41.9	927.2
			44.2	924.2	Sandstone, gray			
			48.2	920.3	Shale, very sandy, gray	10.273	46.9	922.2
			54.2	914.4	Sandstone, shaly upper 2° and lower 0.5', gray	149.625	51.4	917.7
				910	Shale, sandy, gray grades to clayey lower 2°	26.881	56.3	912.8
			72.3	896.8		54.042	57.3	911.8
			75.1	894.0	Shale, limy			910
	Erving Creek Mbr.		77.6	891.5	Limestone, shaly, shale lenses Limestone hard, gray			

TD 890.1