

# KANSAS DEPARTMENT OF TRANSPORTATION



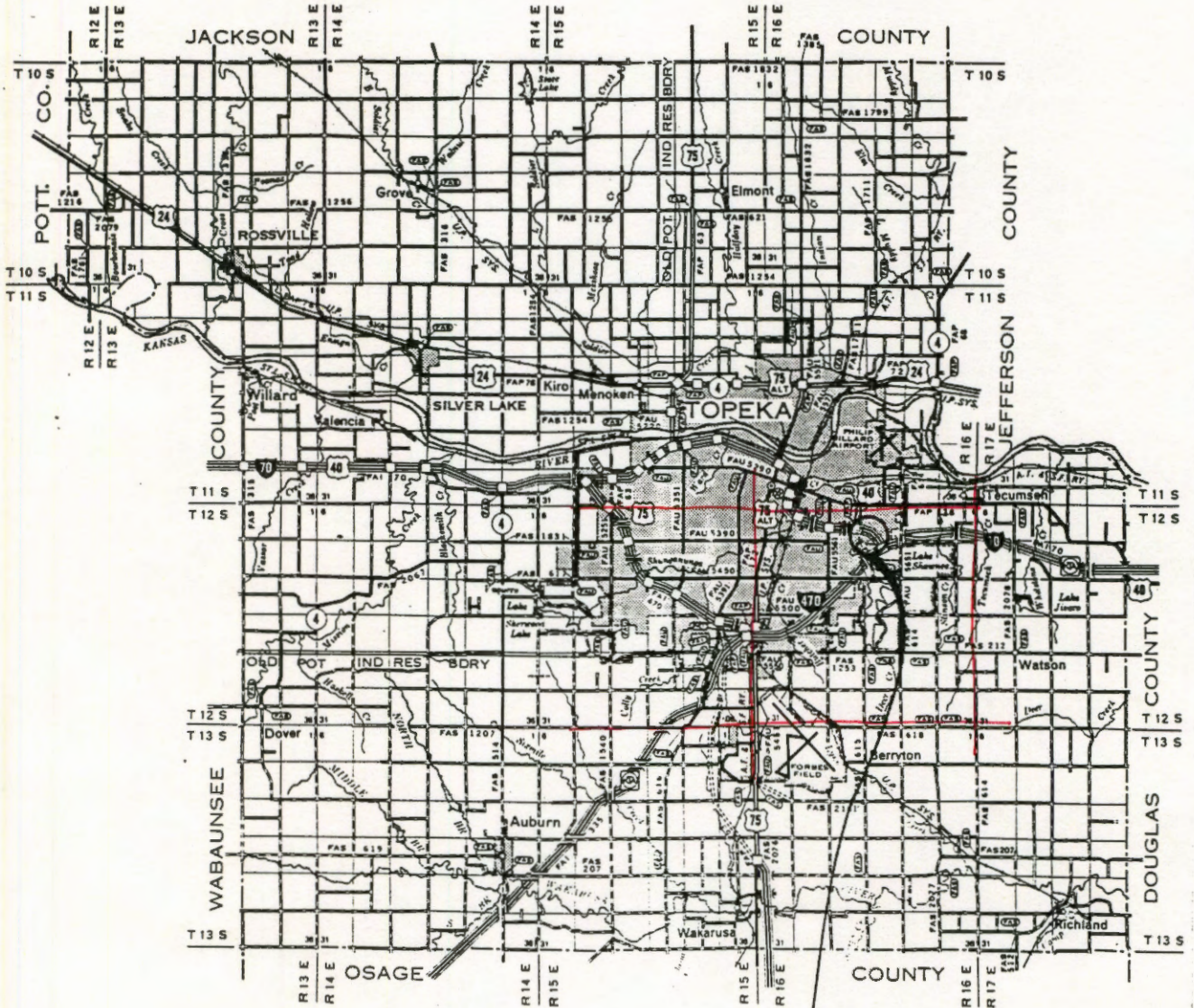
ROUTE-COUNTY NO. 004-089	SOUNDING NO. 1	SHEET 01 OF 03
BRIDGE STA. 392+40.88	PROJECT NO. K3362-03	BRIDGE NO. 19.06
DESCRIPTION Ramp C over I-70 and Ramp B		HOLE STA. 393+84, B
GEOLOGIST Billinger	VERTICLE SCALE 1" = 10'	DATE 5-16-94
DRILLER J. Farley	RIG B-61	ELEVATION TOP OF HOLE 965.7
GROUND WATER ELEV. —	TOTAL DEPTH OF HOLE 575	ELEVATION TOP OF ROCK 958.9

SW 3-12-16E

BIT TYPE & NO.	GEOLOGIC NAME	STRATIGRAPHIC COLUMN	DEPTH	ELEVATION	CLASSIFICATION OF MATERIALS DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION	STANDARD PENETRATION OR CASING DRIVE	
							<del>Penetration</del>	ELEV.
			0°	965.7				
Casing Set	Mantle		68	960	Mantle, Silty Clay, brown with orange-brown			
			84	957.3		541.532		958.1
	Curzon Mbr.		99	955.8	Limestone with limy shale break weathered.			
					Limestone weathered, orange-brown			
	Iowa Point Mbr.		165	950	Limestone, gray, hard, massive	495.461		950.5
	Hartford Mbr.		228	942.9	Shale, limy, grayish			
					Limestone, hard, blocky to massive. some weathering in zones.	163.828		944.4
			260	940	Shale, sandy, gray	4.155		941.6
Diamond	Calhoun Fm.				Sandstone/shaly sandstone, very firm, dark gray.	79.416		938.8
					(very sandy shale break 931-929)	62.624		935.4
			380	930	Sandstone, shaly	44.296		930.1
			410	927.7	Shale, very sandy, dark gray	53.176		927.7
			426	922	Sandstone, gray			
			45	920	Shale, sandy	29.079		921.0
			485	917.2	Sandstone, shaly			
					Sandstone, very firm, gray	89.524		915.6
			536	912.1	Shale, sandy with thin sandstone stringers			
			575	908.3	Total Depth	16.958		908.8
				900				

# Kansas Department of Transportation

## BRIDGE FOUNDATION GEOLOGY REPORT



4-89 K-3362-03  
Br. No. 19.06  
Shawnee County

*sw*  
*SW-3-12S-16E*  
*0-58'*  
*shewnee*  
*Corzon limestone to*  
*calhoun shale*