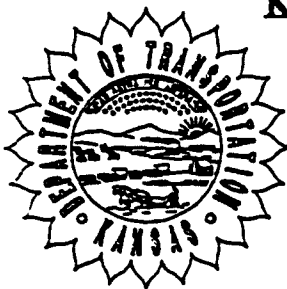


KANSAS DEPARTMENT OF TRANSPORTATION



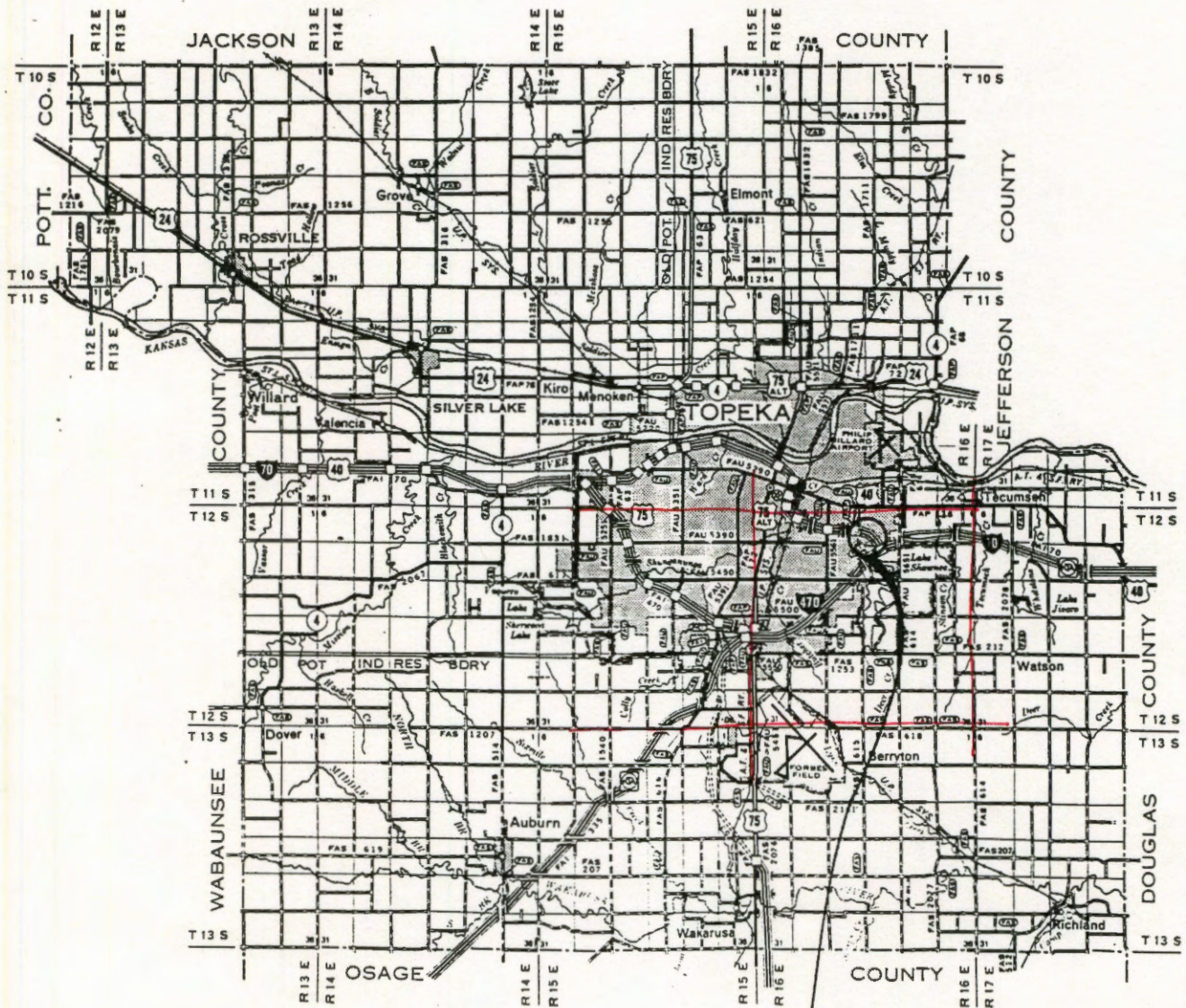
ROUTE-COUNTY NO. 004-089	SOUNDING NO. 1	SHEET 01 OF 03
BRIDGE STA. 392+40.88	PROJECT NO. K3362-03	BRIDGE NO. 19.06
DESCRIPTION Ramp C over I-70 and Ramp B		HOLE STA. 393+84, B.
GEOLOGIST Billinger	VERTICLE SCALE 1" = 10'	DATE 5-16-94
DRILLER J. Farley	RIG B-61	ELEVATION TOP OF HOLE 965.7
GROUND WATER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

BIT TYPE & NO.	GEOLOGIC NAME	STRATIGRAPHIC COLUMN	DEPTH	ELEVATION	CLASSIFICATION OF MATERIALS DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION	STANDARD PENETRATION OR CASING DRIVE	
							Penetration	ELEV.
Casing Set	Mantle		0°	965.7				
			68	960	Mantle, Silty Clay, brown with orange-brown			
Diam.	Curzon Mbr.		84	957.3		541.532		958.1
			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
					Shale, limy, grayish			
	Hartford Mbr.				Limestone, hard, blocky to massive. Some weathering in zones.	163.828		944.4
			228	942.9				
	Calhoun Fm.		260	940	Shale, sandy, gray	4.155		941.6
						79.416		938.8
					Sandstone/shaly sandstone, very firm, dark gray.	62.624		935.4
					(very sandy shale break 931-929)	44.296		930.1
			380	927.7	Sandstone, shaly	53.176		927.7
			410	924.7	Shale, very sandy, dark gray			
			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				
			575	908.3	Shale, sandy with thin sandstone stringers Total Depth	16.958		909.8
				900				

SW 3-12-16E

Kansas Department of Transportation

BRIDGE FOUNDATION GEOLOGY REPORT



SW
SW-3-12S-16E

SW-3-12S-16E

0-58'

Shawnee

Corzon limestone to
Calhoun shale

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