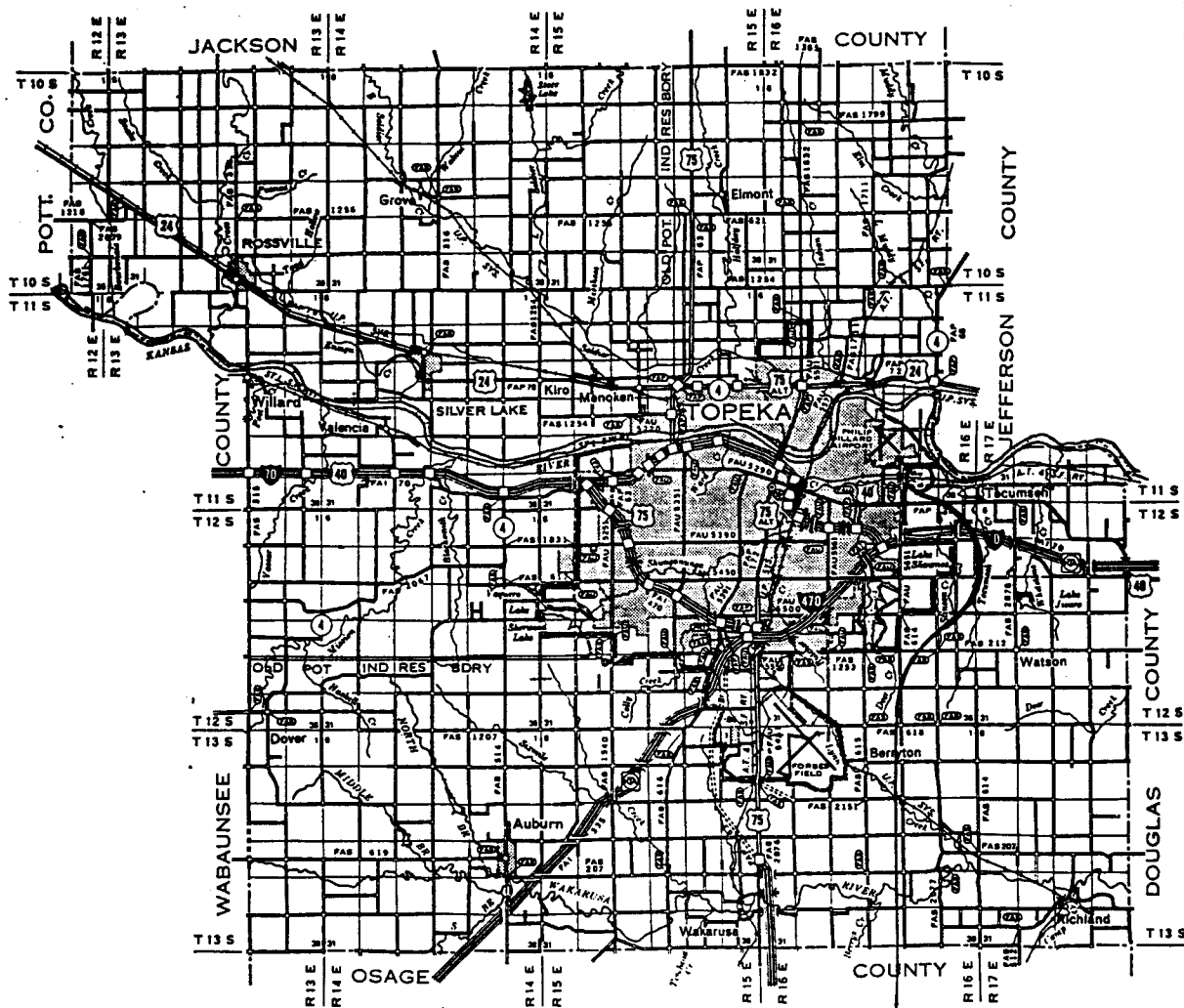
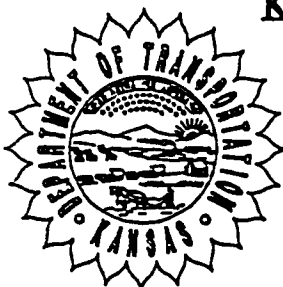


Kansas Department of Transportation

BRIDGE FOUNDATION GEOLOGY REPORT



4-89 K-3362-04
Br. No. 26.46
Shawnee County



KANSAS DEPARTMENT OF TRANSPORTATION

1. ROUTE-COUNTY NO. 004-089	7. SOUNDING NO. 1	2. SHEET 01 OF 02
3. BRIDGE STA. 521+02.60	4. PROJECT NO. K-3362-04	5. BRIDGE NO. 26,46
6. DESCRIPTION Oakland Expressway over Shunganunga		8. HOLE STA. 527+28 4'
9. GEOLOGIST Sunderland	10. VERTICLE SCALE 1"=10'	11. DATE September 1993
12. DRILLER Shall	13. RIG B-61	14. ELEVATION TOP OF HOLE 870.6
15. GROUND WATER ELEV.	16. TOTAL DEPTH OF HOLE 63' 2"	17. ELEVATION TOP OF ROCK 822.6

BIT TYPE & NO.	GEOLOGIC NAME	STRATIGRAPHIC COLUMN	DEPTH	ELEVATION	CLASSIFICATION OF MATERIALS DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION	STANDARD PENETRATION OR CASING DRIVE	
							BLOWS	ELEV.
			0°	870.6				
	Mantle Alluvium				Mantle, Sandy + Silty clay. numerous gravel beds. Casing set to 821.1 (49' feet)			
			48°	822.6				
Casing Diamond	Tecumseh Frm.	1	52'	820	Shale, gray, firm			
	Avoca Mbr.	2	56'	813.7	Limestone, hard, unit bedded. upper 1' impure + shaly			
	King Hill Mbr	3	59'	811.5	Shale, firm, gray-green			
		4	61°	809.6	Limestone, shaly, earthy, greenish			
			63'	806.9	TD shale, gray-green, platy firm			