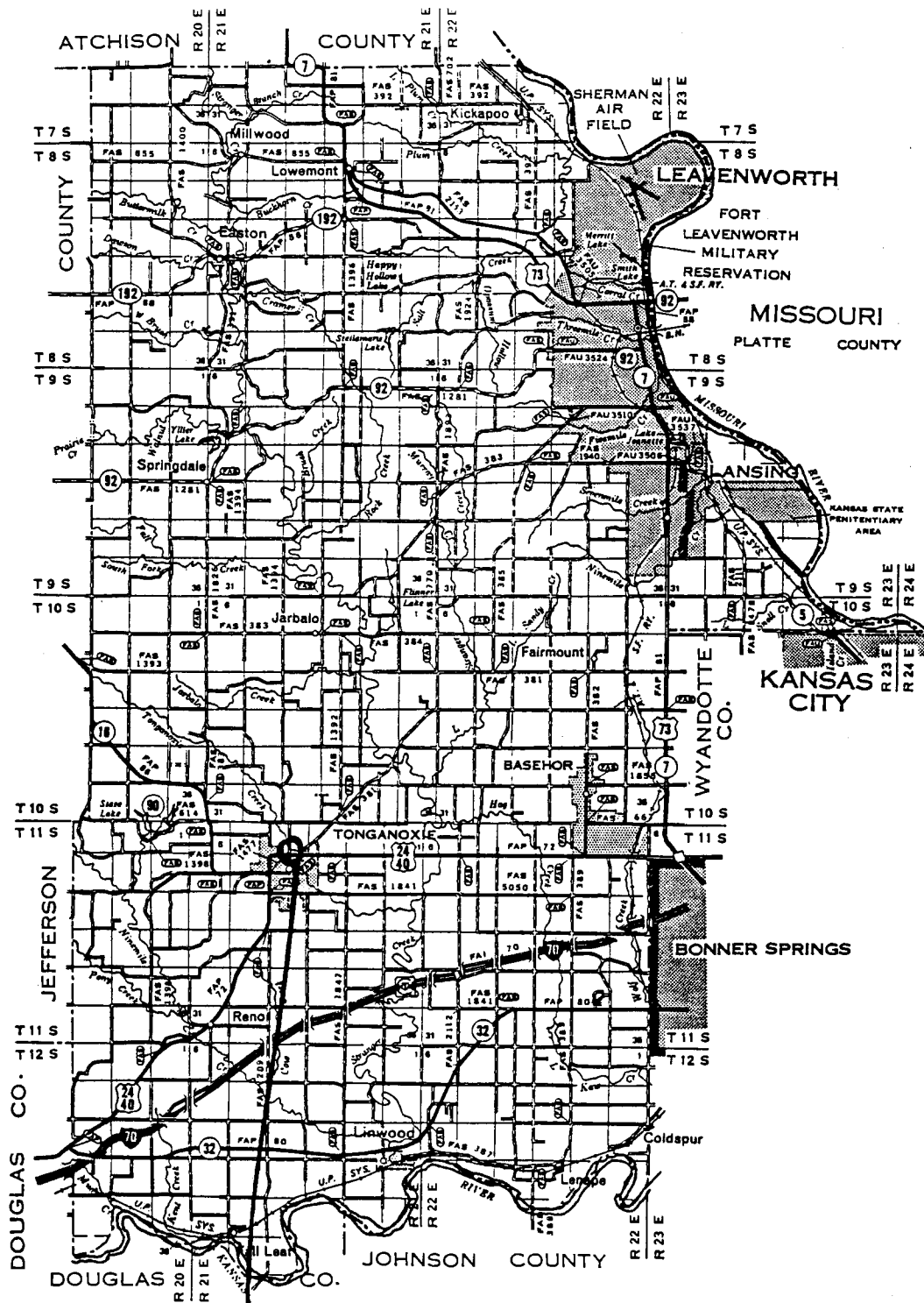


Kansas Department of Transportation

BRIDGE FOUNDATION GEOLOGY REPORT



24-52 K-4441-01
Br. No. 10.38
Leavenworth County

2DCP ✓



KANSAS DEPARTMENT OF TRANSPORTATION

1. ROUTE-COUNTY NO. 024-052	7. SOUNDING NO. 1	12. SHEET 01 OF 01
2. BRIDGE STA. 131+20	8. PROJECT NO. K-4441-01	13. BRIDGE NO. 10.38
3. DESCRIPTION 24 highway over Tonganoxie Creek	14. HOLE STA. 130+35, 24 Rt	
4. GEOLOGIST Billinger	5. VERTICLE SCALE 1" = 10'	6. DATE 5-18-93
7. DRILLER Shall	8. RIG B-61	9. ELEVATION TOP OF HOLE 860.7
10. GROUND WATER ELEV. 848.7	11. TOTAL DEPTH OF HOLE 64.8	12. ELEVATION TOP OF ROCK 822.4

BIT TYPE & NO.	GEOLOGIC NAME	STRATIGRAPHIC COLUMN	DEPTH	ELEVATION	CLASSIFICATION OF MATERIALS DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION	STANDARD PENETRATION OR CASING DRIVE	
								ELEV.
Casing	Soil Mantle		0°	860.7				
				850	Clay, silty to clayey brown,			
				840				
Diamond	Stranger Formation			830				
			38 ³	822.4		1.52		821.8
				820	Shale, gray, firm. Silty to sandy zones	3.17		816.8
			1					
			2					
			3					
			4	810		19.00		808.1
			5			15.23		804.6
			6			1.63		800.8
			7	800		8.41		797.9
				64.8	795.9 TD			

411-013