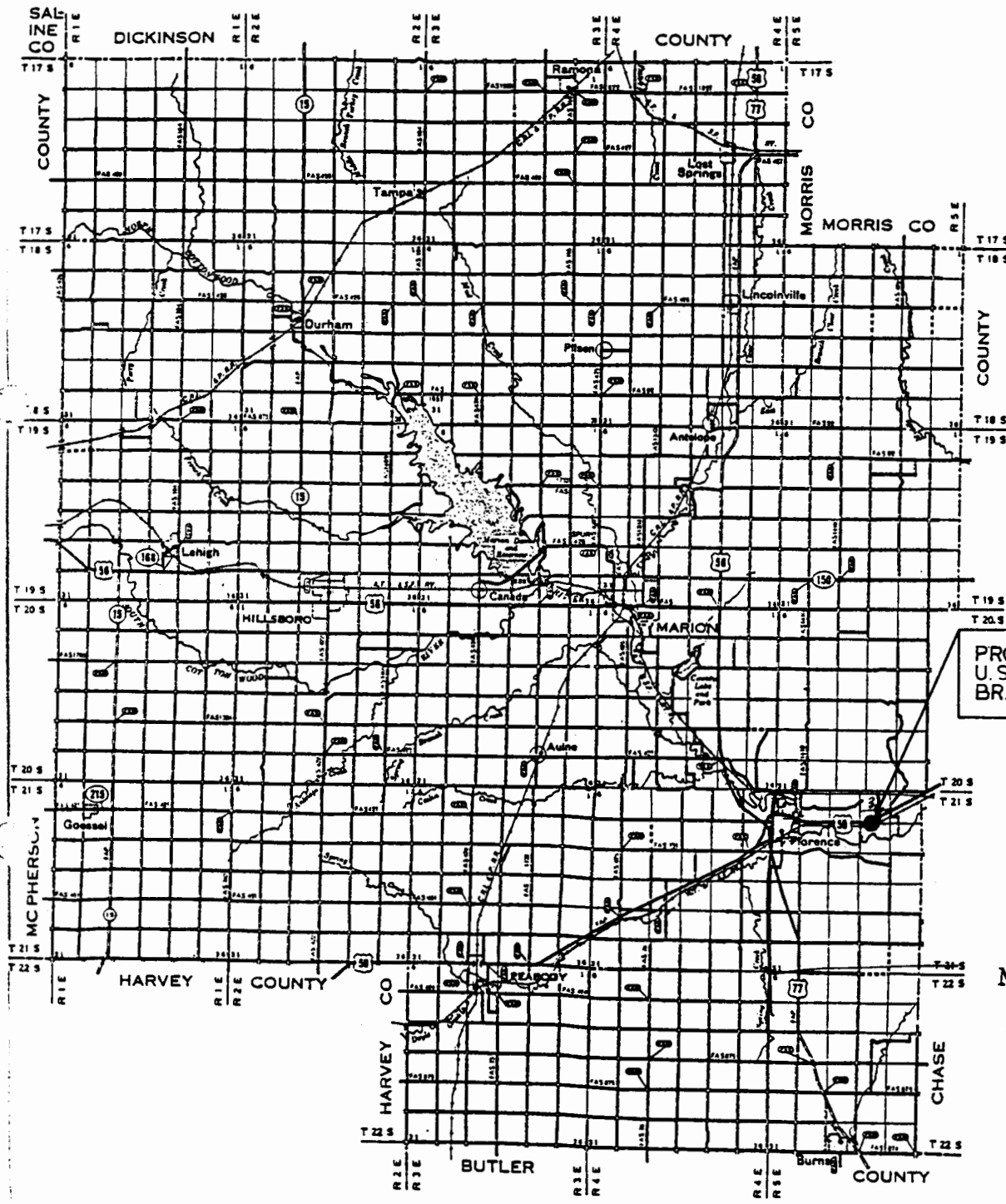
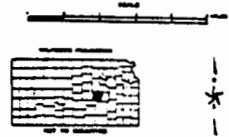




PROJ. NO. 50-57-M-1159-01
 U.S. 50 over MARTIN CR.
 BR. NO. 50-57-17.16

**GENERAL HIGHWAY MAP
 MARION COUNTY
 KANSAS**

DESIGNED BY THE
 STATE HIGHWAY COMMISSION OF KANSAS
 DEPARTMENT OF PLANNING AND DEVELOPMENT
 IN COOPERATION WITH THE
 U. S. DEPARTMENT OF TRANSPORTATION
 FEDERAL HIGHWAY ADMINISTRATION



1971

Do two
 entries

SE-SW-3-21S-5E

0'-71'

Chase Gp → Council Grove Gp
 ↓
 Threemile ls to Speiser shale

SCOUNDING DATA

KANSAS DEPARTMENT OF TRANSPORTATION

Sheet of

COUNTY Marion		PROJECT NO. 50-57-M 1159-01				BRIDGE NO. 17.16			
& STA. 150+20		NAME Martin Creek		STA. 150+91		BE/LT 30		SOUND, NO. 2	
GROUNDWATER EL.		VERTICAL SCALE 1 inch = 10 feet				DATE January 1982			
B.M. NO. 100		B.M. EL. 1260.81		SUBMITTED BY Koontz					
POINT	B.S.	H.I.	F.S.	ELEV.	POINT	B.S.	H.I.	F.S.	ELEV.
BM#100				1260.81					
A	4.85	1265.66							
CD#2			10.45	1255.21					
BM#100			4.86	1260.80					

FORM	BIT	EL.	LOG	ACC. DEP.	GEOLOGIC DESCRIPTION AND REMARKS	CASING DRIVE REC. DEPTH	BL/10
					THE = 1255.2'		
					Silty Clay, brown to dark-brown, contains roots and other debris		
					1253.2'		
					Clay, Silty, tan-brown, fairly tight contains minor amounts of gravel drills fairly easy		
					1243.7'		
					Silt, clayey, tan-brown, drills easy and uniform (Some zones more clayey)		
					1237.2'		
					Clay, silty, dark-brown, fairly tight		
					1218.4'		
					Slight rattle, limestone, punky, tan and porous, jointed, weathered		
					1217.8'		
					Firmer, limestone, porous, tan to white-tan with cherty gray zones, requires hydraulic pressure.		
					1214.2'		
					Limestone, gray-tan, cherty, hard to very hard-drills easier		
					1210.4'		
					Less chatter, limestone, gray-tan, shaly (non-cherty (contains white quartz crystalline material))		
					1208.4'		
					Heavy chatter, limestone, gray, cherty, light-gray to dark-gray, very hard chert zone-dark-gray chert in bands		
					1207.6'		
					Less chatter, limestone, non-cherty, dark-gray, somewhat porous.		
					1206.6'		
					Drills smooth, shale, limy, fairly hard, dark-gray drills hard but steady		
					1204.2'		
					Shale, gray, green, softer, clayey, smooth		
					1199.7'		
					Shale, maroon, clayey, drills smooth		
					1194.8'		
					Slight chatter, thin limy zone		
					1194.4'		
					Shale, light-maroon, somewhat firmer, silty and clayey with thin light-green-gray limy zones and stringers		
					1192.2'		
					Shale, silty to limy in zones, fairly hard mostly light-green.		
					1188.5'		
					Some softer, shale, light-green, silty with some light maroon firm to hard		
					1186.2'		
					Shale, dark-gray silty drills smooth not as hard as above.		
					1184.2'		
					= T.D.		