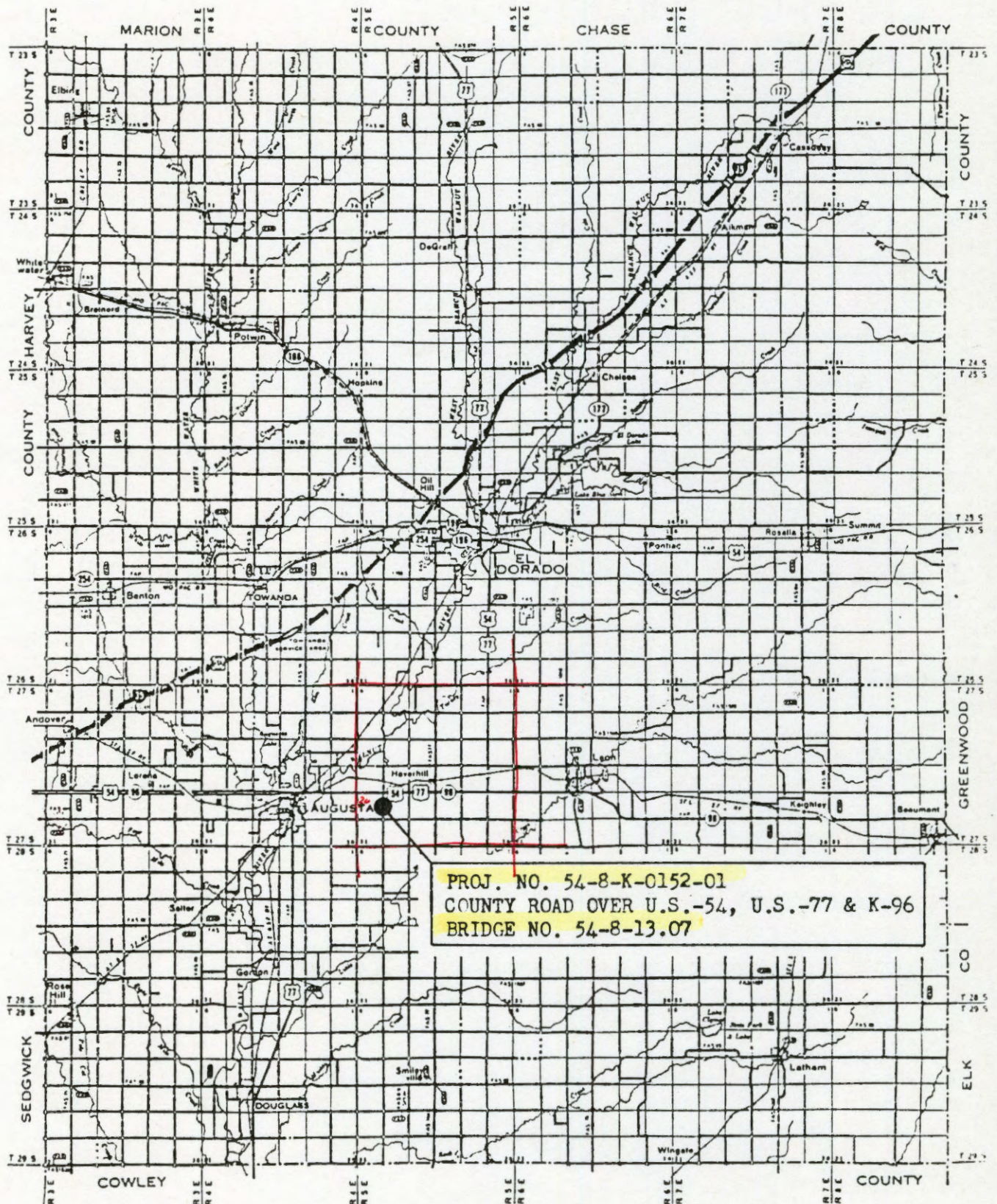




SE-NE-30-27S-5E

0-55'

chase

Gage shale to Fort Riley Ls



GENERAL HIGHWAY MAP BUTLER COUNTY KANSAS

APPROVED BY THE
STATE HIGHWAY COMMISSION OF KANSAS
DEPARTMENT OF PLANNING AND DEVELOPMENT
U. S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

SCALE
1" = 1 MILE

SOUNDING DATA

KANSAS DEPARTMENT OF TRANSPORTATION

Sheet 1 of

COUNTY *Butler* PROJECT NO. *54-8-K-0152-01* BRIDGE NO. *13.07*
 & STA. *192+77.78* NAME *Co. Rd. over US-54* STA. *50+85.5* RT/ *20* SOUND, NO. *3*
 GROUNDWATER EL. *1297.3* VERTICAL SCALE *1 inch = 10 feet* DATE *July 1980*
 B.M. NO. *22* B.M. EL. *1333.205* SUBMITTED BY *Koontz*

POINT	B.S.	H.I.	F.S.	ELEV.	POINT	B.S.	H.I.	F.S.	ELEV.
<i>See attached sheet</i>									

FORM	BIT	EL.	LOG	ACC. DEP.	GEOLOGIC DESCRIPTION AND REMARKS	CASING DRIVE REC. DEPTH	EL/10
					<i>T.H.E. 1312.4</i>		
<i>Soil</i>	<i>Hand</i>	<i>1310</i>		<i>2.8</i>	<i>Top - Soil - Silty-clay, brown</i>	<i>1309.6</i>	
				<i>9.4</i>	<i>clay, silty-orange-brown</i>	<i>1303.0</i>	
<i>Gage Shale</i>	<i>Member</i>	<i>1300</i>	<i>Sample</i>	<i>10.0</i>	<i>1 (See note)</i> <i>Shale, maroon, silty and clayey, soft</i>	<i>1302.4</i>	
				<i>15.0</i>	<i>Core 1 Cut 5° Rec 4'</i> <i>(See note)</i>	<i>1297.4</i>	
			<i>Sample</i>		<i>Core 2 Cut 5° Rec 4'</i>		
			<i>Sample</i>	<i>20.0</i>	<i>3</i>	<i>1292.4</i>	
		<i>1290</i>		<i>25.0</i>	<i>Core 3 Cut 5° Rec 4'</i> <i>6</i>	<i>1287.4</i>	
					<i>Sample</i>		
		<i>1280</i>			<i>Sample</i>		
					<i>Note: See attached sheet for core and sample description</i>		

Core and Sample
Description

Proj. 54-8-K0152-01
Br. No. 13.07 - Butler Co.
CD#3, Sta. 50+85.5, RA 20

Core 1	Cut 5°	Rec. 4°	
0 ³	Maroon shale		
0 ⁴	Maroon and green shale		
2 ⁶	Maroon, silty and clayey, fractured and sheared		
1 ⁶	Gray-green, mostly clayey with some maroon zones		
4°	Total Recovery		
	Elev.	Tons/S.F.	description
Sample 1	1302.1 to 1301.7	11.8	gale shale, Maroon + green
Core 2	Cut 5°	Rec 4 ²	
4 ²	Shale, clayey and silty, maroon and green		
4 ²	Total Recovery		
	Elev.	Tons/S.F.	description
Sample 2	1297.1 to 1296.6	3.6	gale shale, maroon + green
" 3	1293.9 to 1292.9	2.5	" " " "
" 4	1292.9 to 1292.2	3.0	" " " "
Core 3	Cut 5°	Rec 4'	
0 ⁶	Green shale, silty		
0 ⁵	Maroon shale, silty		
1 ⁸	Maroon shale, silty and clayey, fractured		
0 ⁵	Green, silty and clayey shale		
0 ⁷	Green, silty and clayey shale		
4'	Total Recovery		
	Elev.	Tons/S.F.	description
Sample 5	1291.7 to 1291.2	2.2	gale shale, maroon
" 6	1288.9 to 1288.4	1.2	" " green, silty clayey