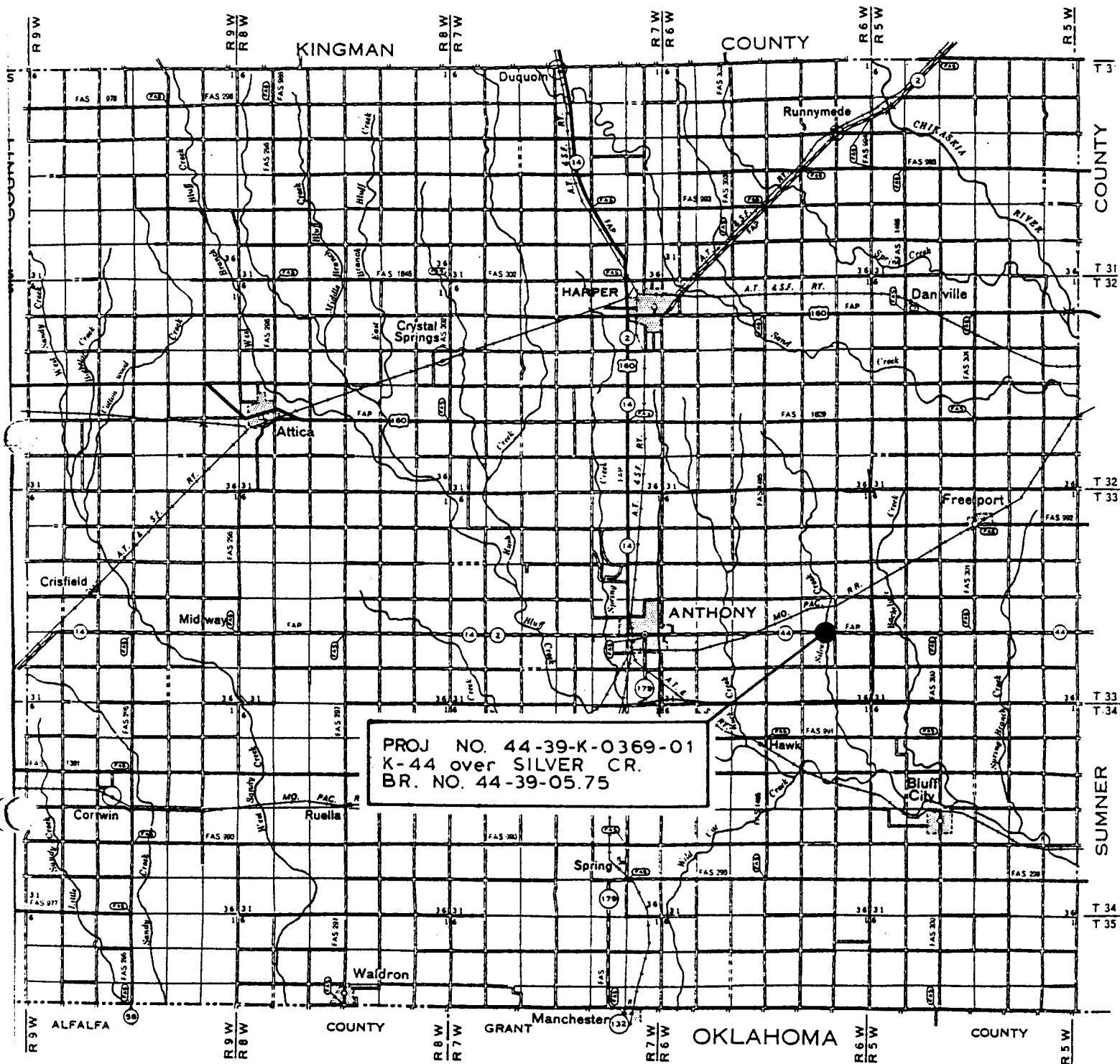
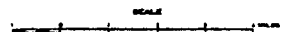




NE - 26 - 335 - 60

GENERAL HIGHWAY MAP HARPER COUNTY KANSAS

PREPARED BY THE
STATE HIGHWAY COMMISSION OF KANSAS
PLANNING AND RESEARCH DEPARTMENT
IN COOPERATION WITH THE
U. S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
BUREAU OF PUBLIC ROADS



1968

SOUNDING DATA

KANSAS DEPARTMENT OF TRANSPORTATION

Sheet of

COUNTY <i>Harper</i>	PROJECT NO. <i>44-39 K 0369-01</i>	BRIDGE NO. <i>5.75</i>
& STA. <i>85+80</i>	NAME <i>K-44 over Silver Cr.</i>	RT/LE <i>35</i> SOUND. NO. <i>1</i>
GROUNDWATER EL. <i>1250.4</i>	VERTICAL SCALE <i>1 inch = 10 feet</i>	DATE <i>October 1981</i>
B.M. NO. <i>31</i>	B.M. EL. <i>1263.12</i>	SUBMITTED BY <i>Keontz</i>

POINT	B.S.	H.I.	F.S.	ELEV.	POINT	B.S.	H.I.	F.S.	ELEV.
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(See attached sheet)

FORM	BIT	EL.	LOG	ACC. DEP.	GEOLOGIC DESCRIPTION AND REMARKS	CASING DRIVE REC.	
						DEPTH	BL/10
		1260					
					T.H.E. 1256.2		
Alluvium	5 1/2" Hawthorne	1250	4" casing	4.5	Topsoil, dark-brown to reddish brown silty clay	1251.7	
				6.0	Silty clay, red-brown	1250.2	
				6.5	Clay silty, reddish	1249.7	
				11.0	Sand, fine to medium, fairly clean contains a few shale and sandstone frags	1245.2	
				11.2	clay firmer stopped to set casing	1245.0	1244.2
	8" Hawthorne	1240		14.0	clay silty dark gray little resistance	1242.2	12.0
				16.7	clay, silty Lt. gray to dark gray contains minor amount of small gravel	1239.5	
				19.0	clay, silty (possibly residue shale) reddish-brown w/ harder red and green shale frags	1237.2	
				19.7	Much firmer shale reddish-brown (maroon)	1236.5	
				24.7	* (Description on attached sheet)	1231.5	
Ninnescah Shale	8" Core Barrel	1230			Core 1 Cut 5° Rec 4°		
					Core 2 Cut 5° Rec 5°		
				29.7	*	1226.5	
					Core 3 Cut 5° Rec 5°		
		1220		34.7	*	1221.5	
					T.D. 34.7		
					* Samples taken from cores		

Core Description

Proj. 44-39 K 0369-01 Harper County

Br. No. 5.75

CD #1 Sta. 86+50 Rt. 35

Core 1

Cut 5°

Rec 4'

0.4 Shale, silty, maroon, fairly firm

1.0 Shale, silty, green-gray fairly firm

2.9 Shale, silty, mostly maroon w/ green zones

4.3 Total Recovery

Sample Description

	Total length	Elevation	Tons S/F
CD 1-1	0.6	1234.4 - 1233.8	18.7
1-2	0.6	1233.1 - 1232.5	6.4

Core 2

Cut 5°

Rec 5°

1.3 Shale, green, very silty and firm

3.7 Shale, mostly maroon w/ some green zones, silty and clayey

5.0 Total Recovery

Sample Description

	Total length	Elevation	Tons S/F
CD 1-3	0.8	1231.5 - 1230.7	74.0

Core 3

Cut 5°

Rec 5°

1.0 Shale, silty and clayey maroon fairly firm

0.7 Siltstone, shaly maroon firm to hard

1.1 Shale, very silty maroon, firm

2.2 Shale, silty and clayey fairly firm

5.0 Total Recovery

Sample Description

	Total length	Elevation	Tons S/F
CD 1-4	0.7	1225.5 - 1224.8	80.5
1-5	0.9	1224.8 - 1223.9	65.6