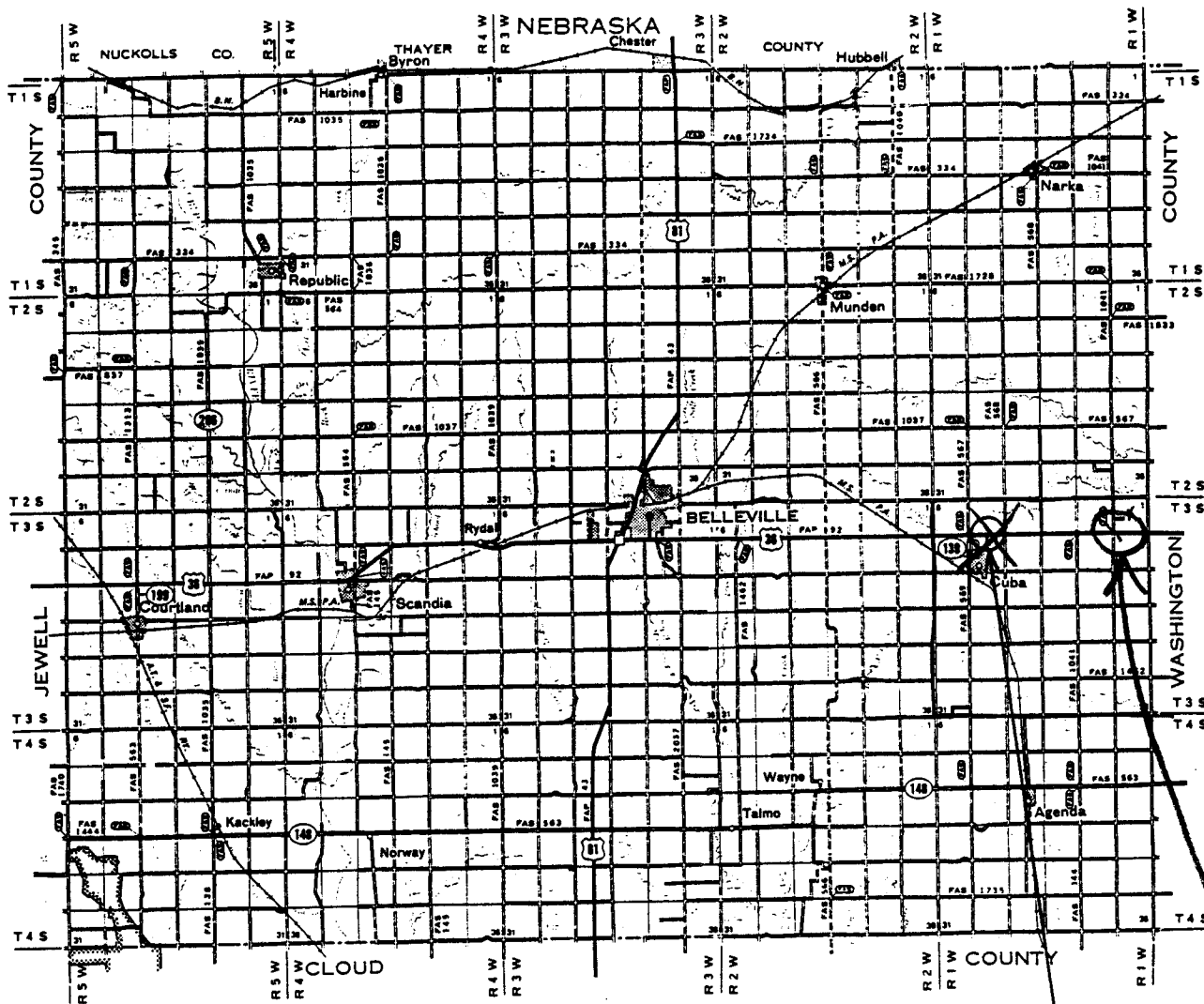
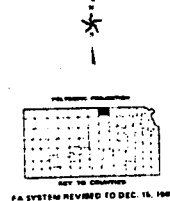




Proj. No. 036-079 K-4043-01
 Br. No. 036-079-~~29.32~~ 29.32
 US-36 over South Fork Mill Creek
 Sta. 570+75
 Republic County

LEGEND	
ROADS AND ROADWAY FEATURES	ROAD SYSTEM DESIGNATION
PRIMITIVE ROAD	FEDERAL AID INTERSTATE HIGHWAY SYSTEM
UNIMPROVED ROAD	FEDERAL AID PRIMARY HIGHWAY SYSTEM
GRADED AND DRAINED ROAD	FEDERAL AID SECONDARY HIGHWAY SYSTEM
SOIL SURFACED ROAD	INTERSTATE NUMBERED HIGHWAY
GRAVEL OR STONE ROAD	U.S. NUMBERED HIGHWAY
NOT GRADED OR DRAINED	STATE HIGHWAY SYSTEM OR
GRAVEL OR STONE ROAD	STATE NUMBERED HIGHWAY
GRADED AND DRAINED	END OF DESIGNATED SYSTEM OR
GRAVEL OR STONE ROAD WITH	NAMED ROUTE
STABILIZED SURFACE	
BITUMINOUS ROAD-LOW TYPE	
PAVED ROAD	
DIVIDED HIGHWAY	
HIGHWAY WITH FULL CONTROL OF	
ACCESS AND INTERCHANGE	



PREPARED BY THE
 KANSAS DEPARTMENT OF TRANSPORTATION
 BUREAU OF TRANSPORTATION PLANNING
 IN COOPERATION WITH THE
 U.S. DEPARTMENT OF TRANSPORTATION
 FEDERAL HIGHWAY ADMINISTRATION

SCALE
 1962

Br 29.32

SW-SW-SW-1-35-1W
 0 to 100
 Cretaceous
 Dakota

ROUTE NO. 145-36

SOUNDING NO. CA#2

SHEET 1 OF 2

KANSAS DEPARTMENT OF TRANSPORTATION

COUNTY Republic PROJECT NO. 36-79-K-4543-01 BRIDGE NO. 29.22

DESCRIPTION 145-36 over 1st Creek Tributary STA. 754+07.31 R+ (Pier #1)

GEOLOGIST Art Peterson VERTICAL SCALE 1" = 10' DATE June 1992

BIT TYPE & NO.	GEOLOGIC NAME	GEOLOGIC COLUMN	GROUNDWATER ELEVATION	DEPTH	ELEVATION	GEOLOGIC DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION	STANDARD PENETRATION OR CASING DRIVE	
								BLOWS	ELEV.
						T.H.EI. = 1464.0.			
					1460				
				12.2	1451.8	Silt, clayey, orange-brown			
					1450				
				24.2	1439.8	Silty clay, sandy brown			
					1440				
					1430				
				40.0	1424.0				
					1420	Silty clay, gray-brown with scattered sandstone gravel and sand			1420.6
				47.3	1416.7				
					1410	Weathered shale, silty, gray to orange-brown	Split Sp. #1 57		1415.2
				54.3	1409.7	Shale, silty, light gray	Split Sp. #2 191 Sa #1 Qu = 11.2 Sa #2 Qu = 10.5	158 B.P.T. Sa #3 Qu = 6.8	1409.4 1408.3 1405.6 1404.2
				63.0	1400.0	Shale, clayey, maroon and gray mudstone	Sa #4 Qu = 23.7 Sa #5 Qu = 19.1		1396.6 1393.2 1391.5
					1390	Siltstone, maroon, silty	Sa #6 Qu = 6.6		

Chalky clay, maroon and gray

Qu = 6.6

ROUTE NO. US-36

SOUNDING NO. 212

SHEET 2 OF 2

KANSAS DEPARTMENT OF TRANSPORTATION

COUNTY public

PROJECT NO. 26-72-K 4443-01

BRIDGE NO. 2932

DESCRIPTION

US-36 over Mill Creek Tributary

STA.

151+00.00 (Pier #1)

GEOLOGIST

A. Peterson

VERTICAL SCALE

1" = 10'

DATE

June 1992

BIT TYPE & NO.	GEOLOGIC NAME	GEOLOGIC COLUMN	GROUNDWATER ELEVATION	DEPTH	ELEVATION	GEOLOGIC DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION	STANDARD PENETRATION OR CASING DRIVE	
								BLOWS	ELEV.
		5		75.0 TD.	1389.0	Shale, clayey, micaceous and gray Sa #7 Ra = 6.6			1389.2
					1320	Core #1: 54' - 58' (1409.4 - 1405.4) cut 4' Rec. 4' RQD = 100% Core Rec 100%			
						Core #2: 58' - 62' (1405.4 - 1401.4) cut 4' Rec. 4' RQD = 100% Core Rec. 100%			
						Core #3: 66' - 67' (1398.0 - 1396.6) cut 1' Rec. 1' RQD = 79% Core Rec. 100%			
						Core #4: 67' - 71' (1396.6 - 1393.0) cut 3' Rec. 3' RQD = 100% Core Rec. 100%			
						Core #5: 71' - 75' (1393.0 - 1379.0) cut 4' Rec. 4' RQD = 78% Core Rec. 100%			