

✓ 2DCP 1/2

KANSAS DEPARTMENT OF TRANSPORTATION



ROUTE-COUNTY NO. 004-089	SOUNDING NO. 1	SHEET 1 OF 3
BRIDGE STA. 455+22.58 B.W.B. I-70	PROJECT NO. K-6252-0	BRIDGE NO. 4-89-25.21
DESCRIPTION E.B. K-4 over I-70 at Abut. #1	HOLE STA. 442+81.74 B	
GEOLOGIST Ryan	VERTICLE SCALE 1"=5'	DATE Aug. 7, 1996
DRILLER Erikson	RIG CME 55	ELEVATION TOP OF HOLE 996.5
GROUND WATER ELEV. —	TOTAL DEPTH OF HOLE 52'	ELEVATION TOP OF ROCK 990.8

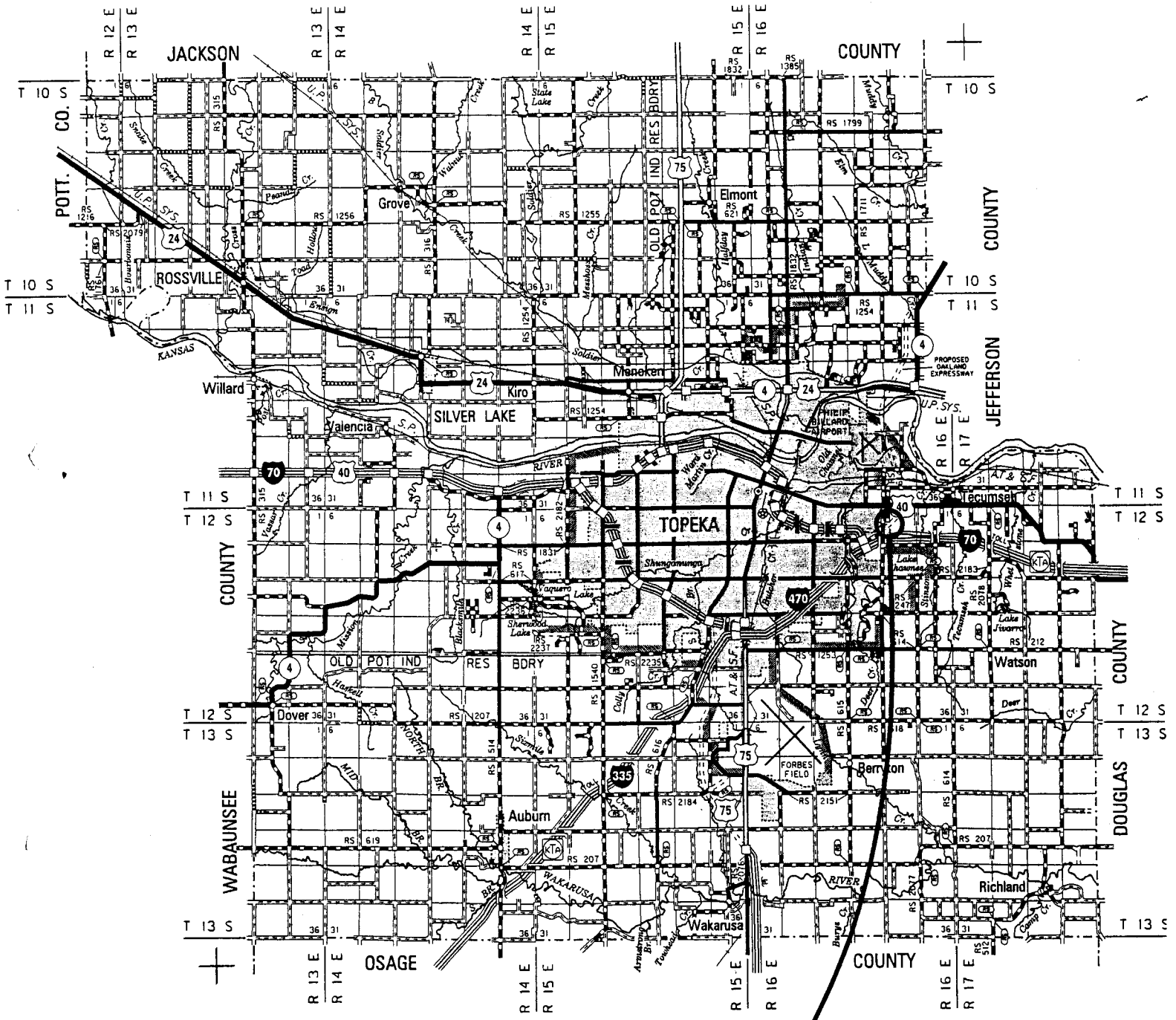
Eastbound

BIT TYPE & NO.	GEOLOGIC NAME	STRATIGRAPHIC COLUMN	DEPTH	ELEVATION	CLASSIFICATION OF MATERIALS DESCRIPTION AND REMARKS	G.U. = t.s.f. UNCONFINED COMPRESSION	STANDARD PENETRATION OR CASING DRIVE		
							BLOWS	ELEV.	
			0'	996.5					
Casing	Mantle		5'	995 990.8	Mantle, Silty Clay		SAMPLE #		
Diamond	Curzon Mbr.	Core 1	11'	990	Limestone, upper half weathered Brown-gray/Rust-brown, soft zones Lower half firm, gray, weathered zones	654.32	1	989.4	
	Towa Point	Core 2	12'	985	Shale, soft, olive-brown weathered	317.19	2	987.2	
	Hartford Mbr.	Core 3	16'	980	Limestone, weathered, tan-brown to gray-brown	144.28	3	984.2	
	Calhoun Fm.		Core 4	16'	980	Limestone, weathered, tan-brown to gray-brown	8.42	4	977.1
					975	Shale, gray, clayey grading Sandy, thin sandstone lenses	21.25	5	977.8
					970	Sandstone, gray, fine-grained	43.22	6	975.4
					969				
			Core 5		970	Sandstone, gray, fine-grained	123.99	7	970.6
			Core 6		965	Shale, sandy with thin sandstone lenses gray/dark gray	118.98	8	967.2
			Core 7		965			Sample 9 Broke	
						27.98	10	961.7	

2-12-10E

DRILLING LOG (con't sheet)		SOUNDING NO.		PROJECT NO. K-6252		SHEET 2 OF 3		
ELEVATION TOP OF HOLE 996.5		GROUND WATER ELEV.		TOTAL DEPTH OF HOLE 52 ¹		ELEVATION TOP OF ROCK 990.8		
BIT TYPE & NO.	GEOLOGIC NAME	STRATIGRAPHIC COLUMN	DEPTH	ELEVATION	CLASSIFICATION OF MATERIALS DESCRIPTION AND REMARKS	Qu-t.s.f. UNCONFINED COMPRESSION	STANDARD PENETRATION OR CASING DRIVE	
								ELEV.
Diamond	Calhoun Fm.	Core 7 Core 8 Core 9 Core 10		960	Shale, sandy with thin Sandstone lenses dark gray/blue-gray Platey	15.22	11	958.7
				955		28.75	12	954.9
				951 ⁵	42.36	13	952 ²	
				950	287.88	14	950.7	
				948 ⁰				
			52 ¹	945	Shale, dark gray, platey	52.27	15	944 ⁶
			TD	940				

2-12-10E

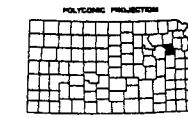


BRIDGE FOUNDATION GEOLOGY REPORT

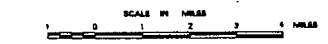
004-089 K-6252-01
 BR. NO. 40-89-20.21 (254)
 E.B. K-4 over I-70
 Sta. 455+22.58
 Shawnee County

GENERAL HIGHWAY MAP
SHAWNEE COUNTY
 KANSAS

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



RS SYSTEM REVISED TO JULY 12, 1996



1994

COMPUTER
 GENERATED

2-12-10 E

3-125-16E

2-125-16E



RICE / CROCO NORTH

4N-70W

335S-70E

Core hole
(48+62)

Core #2

Core

Core hole here
(450+07)

I-70

70W-4N

Core hole here
(53+43)

Core hole here
(442+81-74)

70W-335S

core #1
(2050+17, 155 LT.
= 439+36, 64 LT.)

4N-70E

N.B. I-335

S.B. I-335

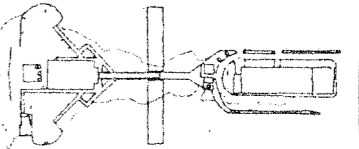
St. Street

Croco Road

Core hole here
(65+85)

Core hole here

SERVICE AREA



Turnpike

Core hole here

St. Street

WEST

12180

12185

12190

12195

12200

12205

12210

12215

12220

12225

12230

2025

2030

2035

2040

2045

3045

3050

3055

3060

3065

EA