

South
Bridge

2CE0

#8

* Hole Station 4061+06.71 Lt of 4000 Baseline $\approx$ Sta. 48+63.5, 41 Lt of Tecumseh Road



KANSAS DEPARTMENT OF TRANSPORTATION

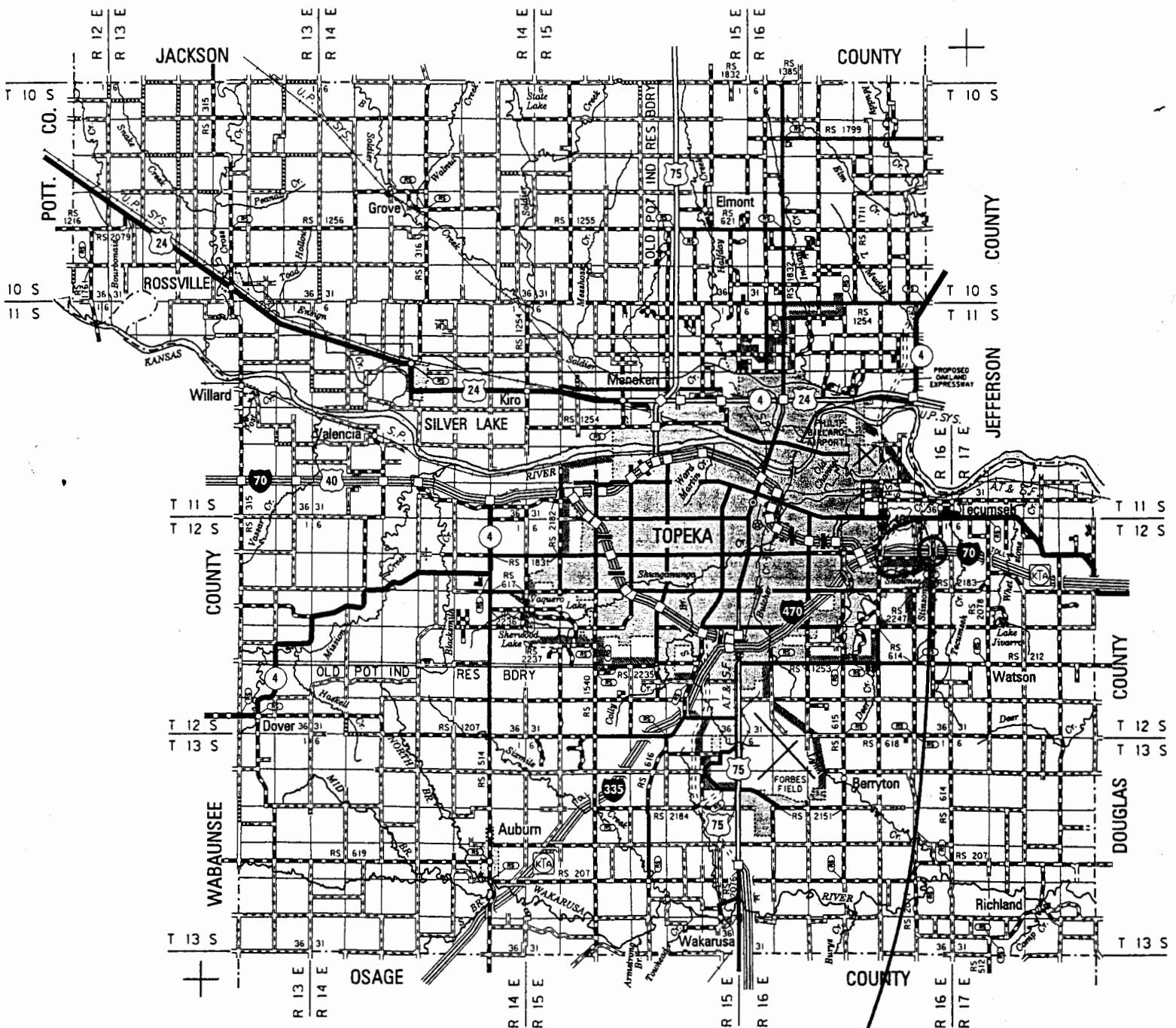
1. ROUTE-COUNTY NO. 004-089	7. SOUNDING NO. 1	2. SHEET 1 OF 3
2. BRIDGE STA. 521+16.57 B.E.B. I-70	4. PROJECT NO. K-6252-01	3. BRIDGE NO. 70-89-21.47
3. DESCRIPTION Tecumseh Rd over E.B. I-70 & EB I-470	5. VERTICLE SCALE 1"=5'	6. HOLE STA. * See Note Above
4. GEOLOGIST R. Ryan	7. DATE 8/15/96	8. ELEVATION TOP OF HOLE 1012.6
5. DRILLER Beraman	9. RIG Mobile B-61	10. ELEVATION TOP OF ROCK 1005.5
6. GROUND WATER ELEV. 982.1	11. TOTAL DEPTH OF HOLE 48'±	

BIT TYPE & NO.	GEOLOGIC NAME	STRATIGRAPHIC COLUMN	DEPTH	ELEVATION	CLASSIFICATION OF MATERIALS DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION	STANDARD PENETRATION OR CASING DRIVE	
								ELEV.
			0 ⁰	1012 ⁶			SAMPLE #	
	mantle			1010	Clay, gray-brown to orange-brown. minor Limestone gravel in lower 3 feet.			
			7'	1005	1005 ⁵			
	Hartford Mbr				Limestone, weathered, broken, blocky, orange-brown.	286.26	1-T-1	1003 ¹
			12 ³	1000	1000 ³			
			14 ⁷	997	997 ⁹	5.23	1-T-2	999 ⁴
					Shale, gray, firm, clayey			
					Shale, dark gray, sandy, Sandstone laminations.	19.51	1-T-3	996 ²
			19 ⁸	992	992 ⁸			
					Sandstone, shaly, dark gray.	43.79	1-T-4	989 ⁹
			24 ³	988	988 ³	19.89	1-T-5	987 ⁹
					Shale, sandy, dark gray Sandstone laminations			
			31 ³	981	981 ³	21.6	1-T-6	981 ⁹
					Shale with thin limestone stringers. gray	31.76	1-T-7	980 ⁶
			34 ⁷	977	977 ²			
					shale, sandy, gray			

1-12-10E

DRILLING LOG (con't sheet)			1. SOUNDING NO. <u>1</u>		2. PROJECT NO. <u>K-6252-01</u>		3. SHEET <u>2</u> OF <u>3</u>	
4. ELEVATION TOP OF HOLE <u>1012.6</u>			5. GROUND WATER ELEV. <u>982.1</u>		6. TOTAL DEPTH OF HOLE <u>644</u>		7. ELEVATION TOP OF ROCK <u>1005.5</u>	
BIT TYPE & NO.	GEOLOGIC NAME	STRATIGRAPHIC COLUMN	DEPTH	ELEVATION	CLASSIFICATION OF MATERIALS DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION	STANDARD PENETRATION OR CASING DRIVE	
							STANDARD	ELEV.
Diamond	Calhoun Fm.		37 ⁴	975 ²	975 ² Shale, sandy gray	43.52	1-T-8	974 ⁶
					Sandstone, shaly, gray	218.31	1-T-9	973 ⁴
			42 ⁵	970	970 ¹			
					Shale, sandy, gray	31.44	1-T-10	969 ⁴
			48 ²	965	964 ⁴ Total Depth	94.16	1-T-11	966 ⁶

1-12-10E



**GEOTECHNICAL UNIT
GEOLOGY SECTION**

BRIDGE FOUNDATION GEOLOGY REPORT

004-089 K-6252-01

Bridge No. 21.47

Tecumseh Road over E.B. I-70 & Kansas Turnpike

Shawnee County

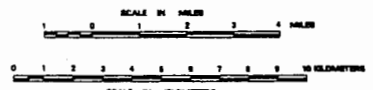
**GENERAL HIGHWAY MAP
SHAWNEE COUNTY
KANSAS**

PREPARED BY THE
KANSAS DEPARTMENT OF TRANSPORTATION
BUREAU OF TRANSPORTATION PLANNING

IN COOPERATION WITH THE
U. S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION



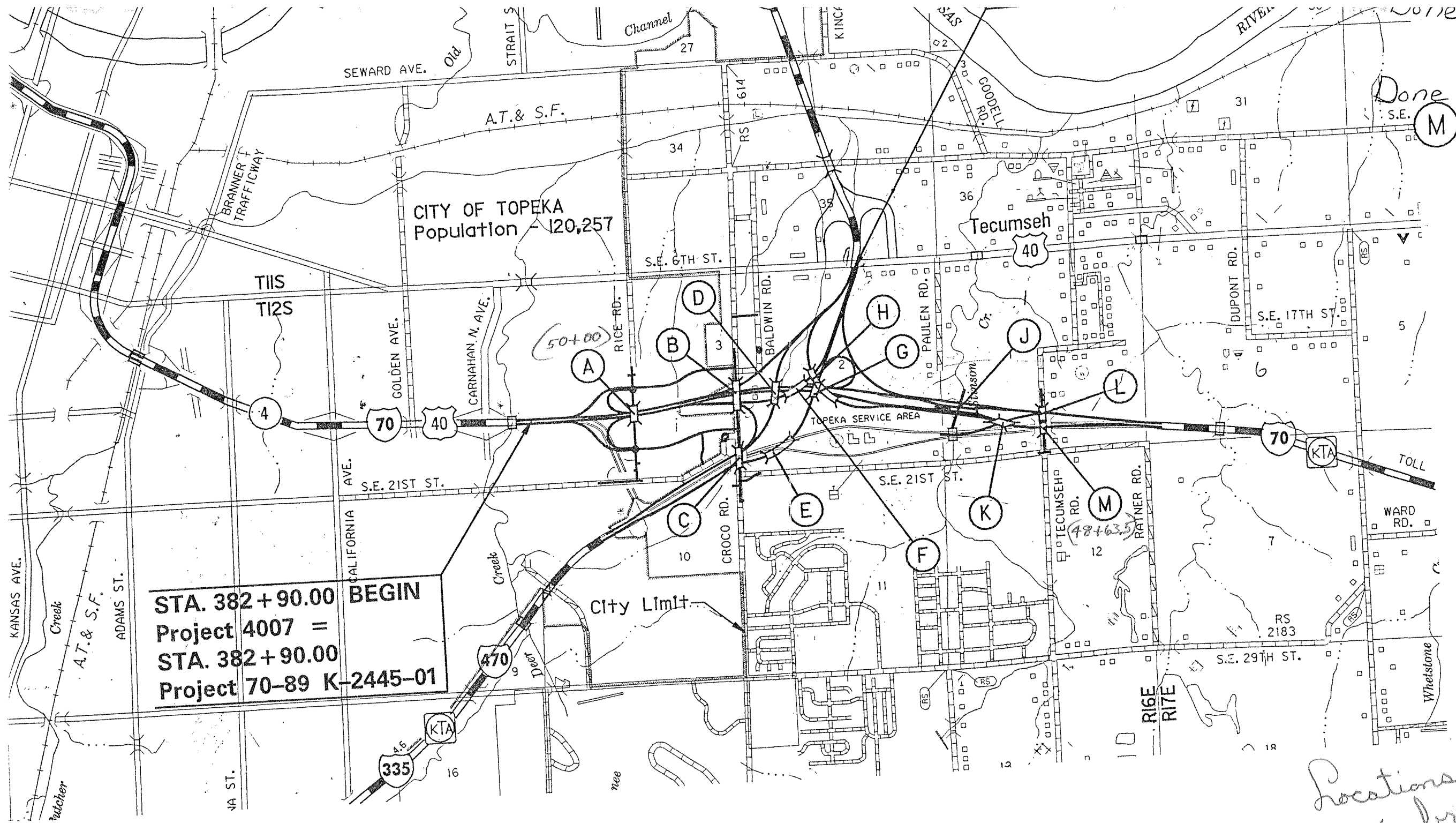
KEY TO COUNTY
RS SYSTEM REVISED TO JULY 12, 1995



1994

COMPUTER
GENERATED

1-12-10E



STA. 521+16.57
Tecumseh Road
Br. No. 70-89-2
70'-125'-70' Cor
32'-0" Roadway

Note: (I) not u

PF
HN
AR
OV
D

Locations of the
new bridges

Sheets see Sheet No. 2
out See Sheet No.

GROSS LENGTH OF PROJECT 10,936.33 FT. 2.071 MILES

EXCEPTIONS FT. MILES

ADDITIONS FT. MILES

RECOM. FOR APPROVAL-DATE

CHIEF, BUREAU OF DESIGN
KANSAS DEPARTMENT OF TRANSPORTATION

APPROVED - DATE