

Southern Bridge

2CE0

#8

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

KANSAS DEPARTMENT OF TRANSPORTATION



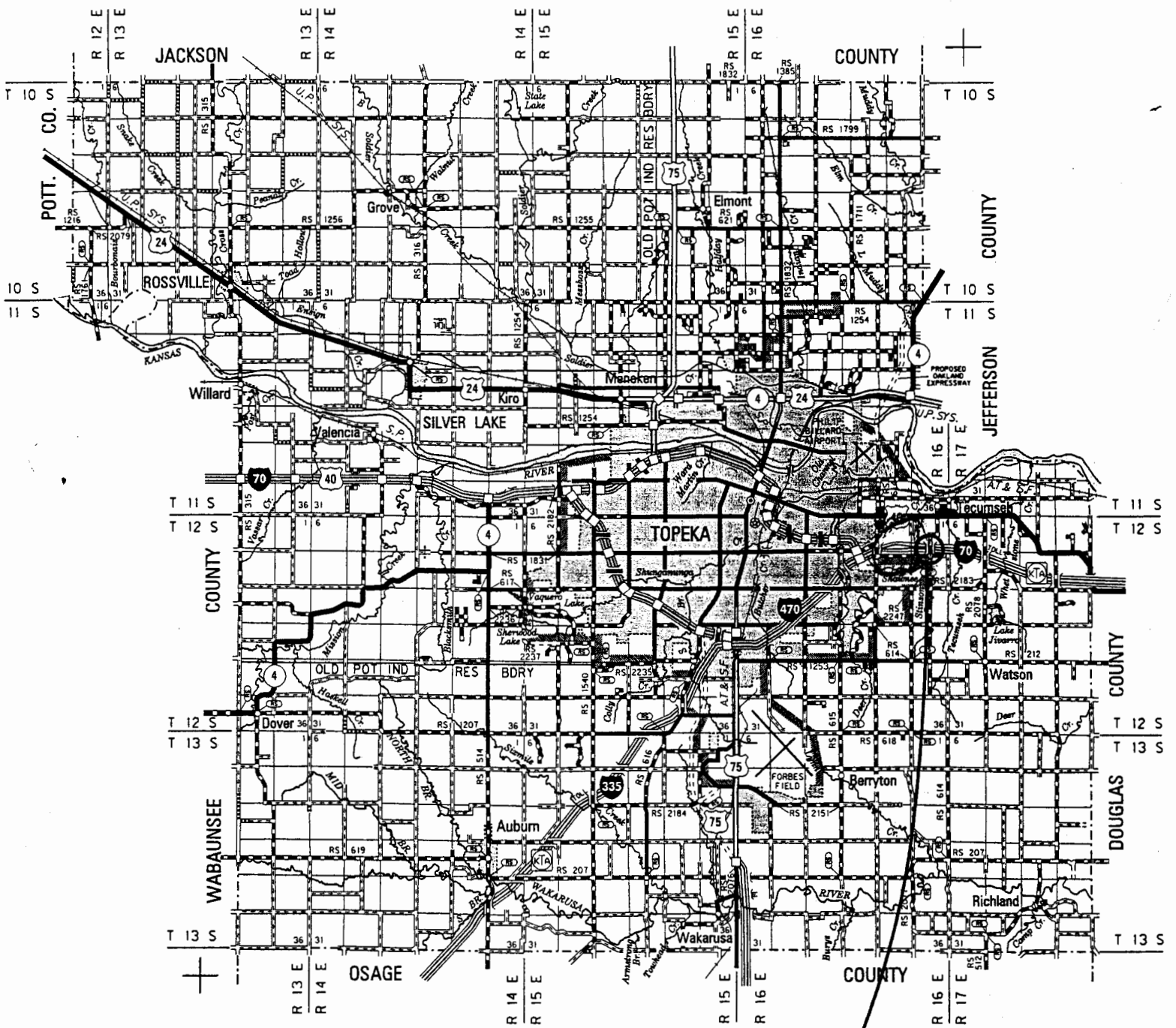
1. ROUTE-COUNTY NO. 004-089	7. SOUNDING NO. 1	12. SHEET 1 OF 3
2. BRIDGE STA. 52+16.57 B.E.B. I-70	8. PROJECT NO. K-6252-01	13. BRIDGE NO. 70-89-21.47
3. DESCRIPTION Tecumseh Rd over E.B. I-70 & EB I-470	9. VERTICLE SCALE 1"=5'	14. HOLE STA. * See Note Above
4. GEOLOGIST R. Ryan	10. RIG Mobile B-61	15. DATE 8/15/96
5. DRILLER Beraman	11. TOTAL DEPTH OF HOLE 48'±	16. ELEVATION TOP OF HOLE 1012.6
6. GROUND WATER ELEV. 982.1		17. ELEVATION TOP OF ROCK 1005.5

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 ⁶				
	mantle			1010	Clay, gray-brown to orange-brown. minor Limestone gravel in lower 3 feet.			
	Hartford Mbr		7'	1005	Limestone, weathered, broken, blocky, orange-brown.	286.26	1-T-1	1003.1
Diamond	Calhoun Fm.	Core 2	12 ³	1000	Shale, gray, firm, clayey	5.23	1-T-2	999.4
			14 ⁷	997.9				
			19 ⁸	992.8	Shale, dark gray, sandy, sandstone laminations.	19.51	1-T-3	996.2
			24 ³	990	Sandstone, shaly, dark gray.	43.79	1-T-4	989.9
			24 ³	988.3		19.89	1-T-5	987.9
			31 ³	985	Shale, sandy, dark gray sandstone laminations			
			31 ³	981.3		21.6	1-T-6	981.9
	34 ⁷	980	Shale with thin limestone stringers. gray	31.76	1-T-7	980.6		
			34 ⁷	977.2	shale, sandy, gray			

1-12-10E

DRILLING LOG (con't sheet)		1. SOUNDING NO. 1		2. PROJECT NO. K-6252-01		3. SHEET 2 OF 3			
4. ELEVATION TOP OF HOLE 1012.6		5. GROUND WATER ELEV. 982.1		6. TOTAL DEPTH OF HOLE 644		7. ELEVATION TOP OF ROCK 1005.5			
BIT TYPE & NO.	GEOLOGIC NAME	STRATIGRAPHIC COLUMN	DEPTH	ELEVATION	CLASSIFICATION OF MATERIALS DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION	STANDARD PENETRATION OR CASING DRIVE		
							 	ELEV.	
Diamond	Calhoun Fm.		374	975	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



SCALE IN MILES
0 1 2 3 4 5 6 7 8 9 10

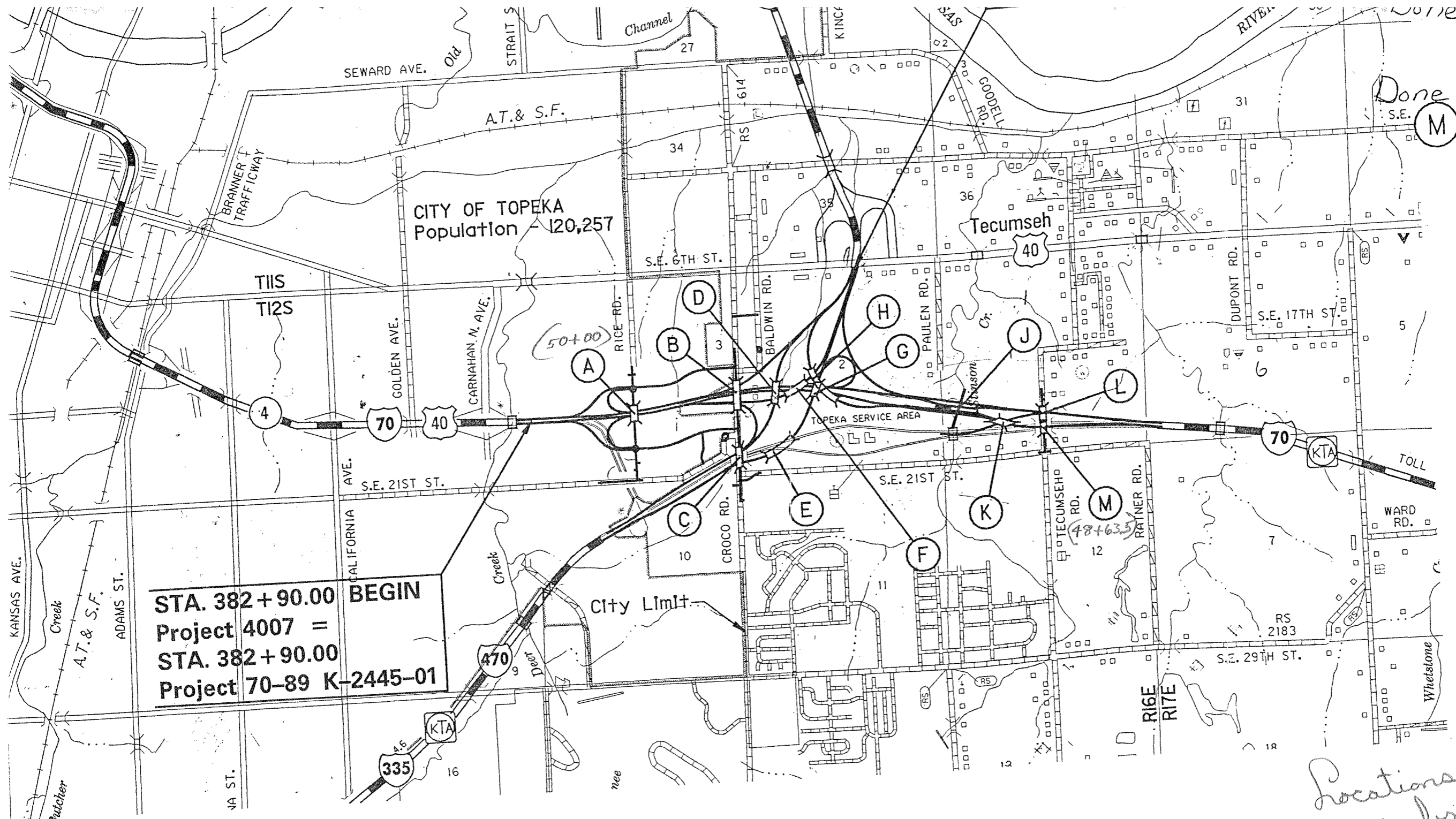
SCALE IN KILOMETERS
0 1 2 3 4 5 6 7 8 9 10

RS SYSTEM REVISED TO JULY 12, 1995

1994

COMPUTER
GENERATED

1-12-10E



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

Note: (I) not u

STA. 382+90.00 BEGIN
 Project 4007 =
 STA. 382+90.00
 Project 70-89 K-2445-01

*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