

# KANSAS DEPARTMENT OF TRANSPORTATION

225 11/16  
E2 25 NE



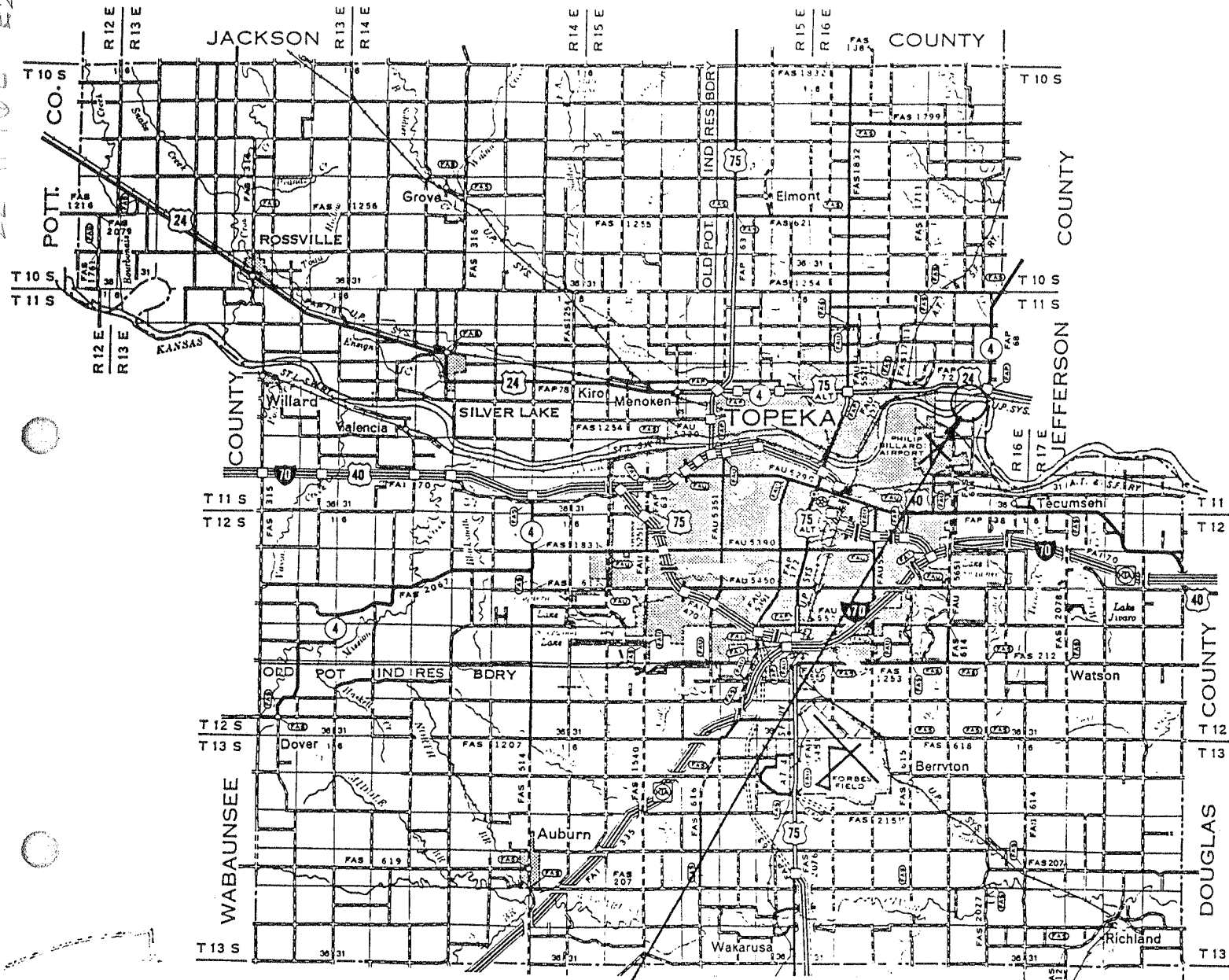
1. ROUTE-COUNTY NO. 004-089	7. SOUNDING NO. 6	12. SHEET 01 OF 09
2. BRIDGE STA. 637+48.25	8. PROJECT NO. K-3362-01	13. BRIDGE NO. 28.66
3. DESCRIPTION Oakland Expressway over Kansas River		14. HOLE STA. 661+70
4. GEOLOGIST Billinger	9. VERTICLE SCALE 1"=10'	15. DATE 4-26-93
5. DRILLER Shall	10. RIG B-61	16. ELEVATION TOP OF HOLE 863.3
6. GROUND WATER ELEV. 857.3	11. TOTAL DEPTH OF HOLE 80' 8"	17. ELEVATION TOP OF ROCK 823.1

BIT TYPE & NO.	GEOLOGIC NAME	STRATIGRAPHIC COLUMN	DEPTH	ELEVATION	CLASSIFICATION OF MATERIALS DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION	STANDARD PENETRATION OR CASING DRIVE		
								ELEV.	
Casing	Alluvium		0°	863.3	Silt, sandy, brown				
			22'	841.2					
			28'	834.9					Sand + Gravel, firm
			38'	824.6					Sand with numerous gravel beds
			40.2	823.1					weathered shale
Tecumseh shale	Shale		1	820	Shale, gray, clayey, firm lower 1° gradational contact turns dark gray	7.1	819.3		
			2	815		7.2	814.2		
			3	810		12.1	807.1		
			4	805		12.4	801.1		
			5	800		6.6	797.3		
			6	795					
			7	790					

DRILLING LOG (con't sheet)		SOUNDING NO. 6		PROJECT NO. K-3362-01		SHEET 02 OF 04	
ELEVATION TOP OF HOLE 863.3		GROUND WATER ELEV. 857.3		TOTAL DEPTH OF HOLE 80 <sup>8</sup>		ELEVATION TOP OF ROCK 823.1	
BIT TYPE & NO.	GEOLOGIC NAME	STRATIGRAPHIC COLUMN	DEPTH	ELEVATION	CLASSIFICATION OF MATERIALS DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION	STANDARD PENETRATION OF CASING DRIVE ELEV.
	Tecumseh shale	7	79 <sup>0</sup>	789.3	Shale, dark gray, firm	11.0	
	Avoca LS	8	78 <sup>1</sup>	785.2	Limestone, gray, upper 1' impure lower portion unit bedded, fossiliferous	499.4 1213.2	788.5 787.2
	King Hill shale	9	80 <sup>8</sup>	782.5	Shale, gray-green, very firm Limestone, earthy, dull white-gray	50.8 15.4	783.9 782.8

792.4

22-11-16 E2 E2

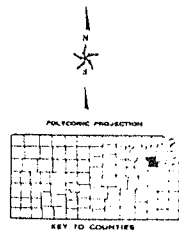


Proj.No. 004-089 K-3362-05  
 Br.No. 004-089-28.66  
 Oakland Expressway over the Kansas River  
 Sta.637+48.25  
 Shawnee County

**LEGEND**

- ROADS AND ROADWAY FEATURES**
- PRIMITIVE ROAD .....
  - UNIMPROVED ROAD .....
  - GRADED AND DRAINED ROAD .....
  - SOIL SURFACED ROAD .....
  - GRAVEL OR STONE ROAD - NOT GRADED OR DRAINED .....
  - GRAVEL OR STONE ROAD - GRADED AND DRAINED .....
  - GRAVEL OR STONE ROAD WITH STABILIZED SURFACE .....
  - BITUMINOUS ROAD - LOW TYPE PAVED ROAD .....
  - DIVIDED HIGHWAY .....
  - HIGHWAY WITH FULL CONTROL OF ACCESS AND INTERCHANGE .....

- ROAD SYSTEM DESIGNATION**
- FEDERAL-AID INTERSTATE HIGHWAY SYSTEM .....
  - FEDERAL-AID PRIMARY HIGHWAY SYSTEM .....
  - FEDERAL-AID SECONDARY HIGHWAY SYSTEM .....
  - INTERSTATE NUMBERED HIGHWAY .....
  - U.S. NUMBERED HIGHWAY .....
  - STATE HIGHWAY SYSTEM OR STATE NUMBERED HIGHWAY .....
  - END OF DESIGNATED SYSTEM OR MARKED ROUTE .....



FA SYSTEM REVISED TO MAR. 15, 1988

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

