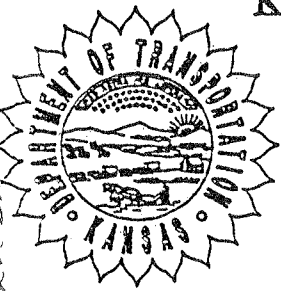


KANSAS DEPARTMENT OF TRANSPORTATION

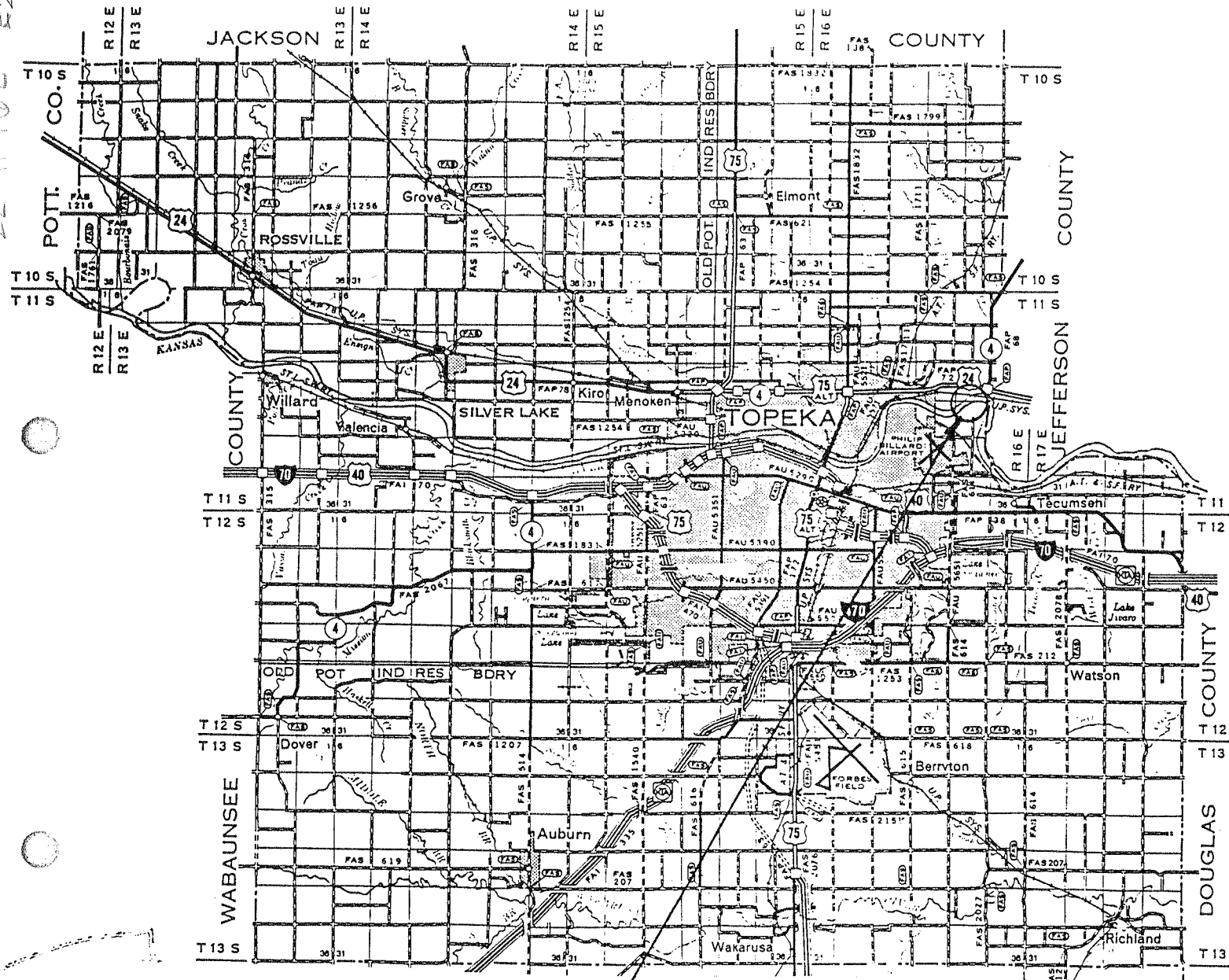


22-11-66
R2 55

1. ROUTE-COUNTY NO. 004-089	7. SOUNDING NO. 2	12. SHEET 01 OF 02
2. BRIDGE STA. 637+48.25	8. PROJECT NO. K-3362-01	13. BRIDGE NO. 28.66
3. DESCRIPTION Oakland Expressway		14. HOLE STA. 672+42, 264 Rt
4. GEOLOGIST (Bergman logged)	5. VERTICLE SCALE 1"=10'	15. DATE 3-30-93
6. DRILLER Bergman	10. RIG B-61	16. ELEVATION TOP OF HOLE 965.5
9. GROUND WATER ELEV. 954.9	11. TOTAL DEPTH OF HOLE 36 ⁵	17. ELEVATION TOP OF ROCK 963.9

BIT TYPE & NO.	GEOLOGIC NAME	STRATIGRAPHIC COLUMN	DEPTH	ELEVATION	CLASSIFICATION OF MATERIALS DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION	STANDARD PENETRATION OR CASING DRIVE	
							BLOWS	ELEV.
			0°	965.5				
	Mantle		16	963.9	Clay, brown			
	Bois ls		3'	962.4	Limestone with shale breaks, weathered			
	Turner Creek Sh		5 ⁶	959.9	Shale, weathered, tan with orange streaks			
	Sheldon ls		8°	957.5	Limestone, tan, orange weathered zones, lower shaly			
	Jones Point Shale		12 ³	953.2	Shale, gray, clayey			
	Curzon ls.		13 ⁷	951.8	Limestone, gray hard			
			15°	950.5	Limestone shaly			
			1			Limestone, gray, fossiliferous shaly break		
	Jawa Point Sh		20 ⁹	944.6				
	Hartford ls		22 ³	943.2	Shale, gray			
			3		940	Limestone, light gray, hard grades to dark gray at bottom.		
	Calhoun shale		28 ⁵	937.0				
			4			Shale, gray shale, gray, sandy		
			5	930	sandstone, gray, organic			
			36 ⁵	929.0	TD			

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

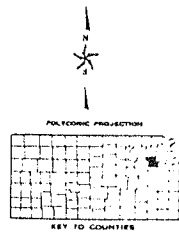
LEGEND

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	.....



**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

FA SYSTEM REVISED TO MAR. 15 1988