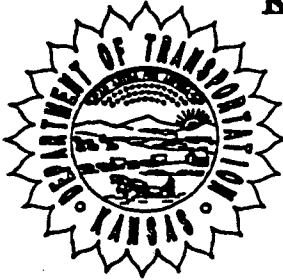


KANSAS DEPARTMENT OF TRANSPORTATION

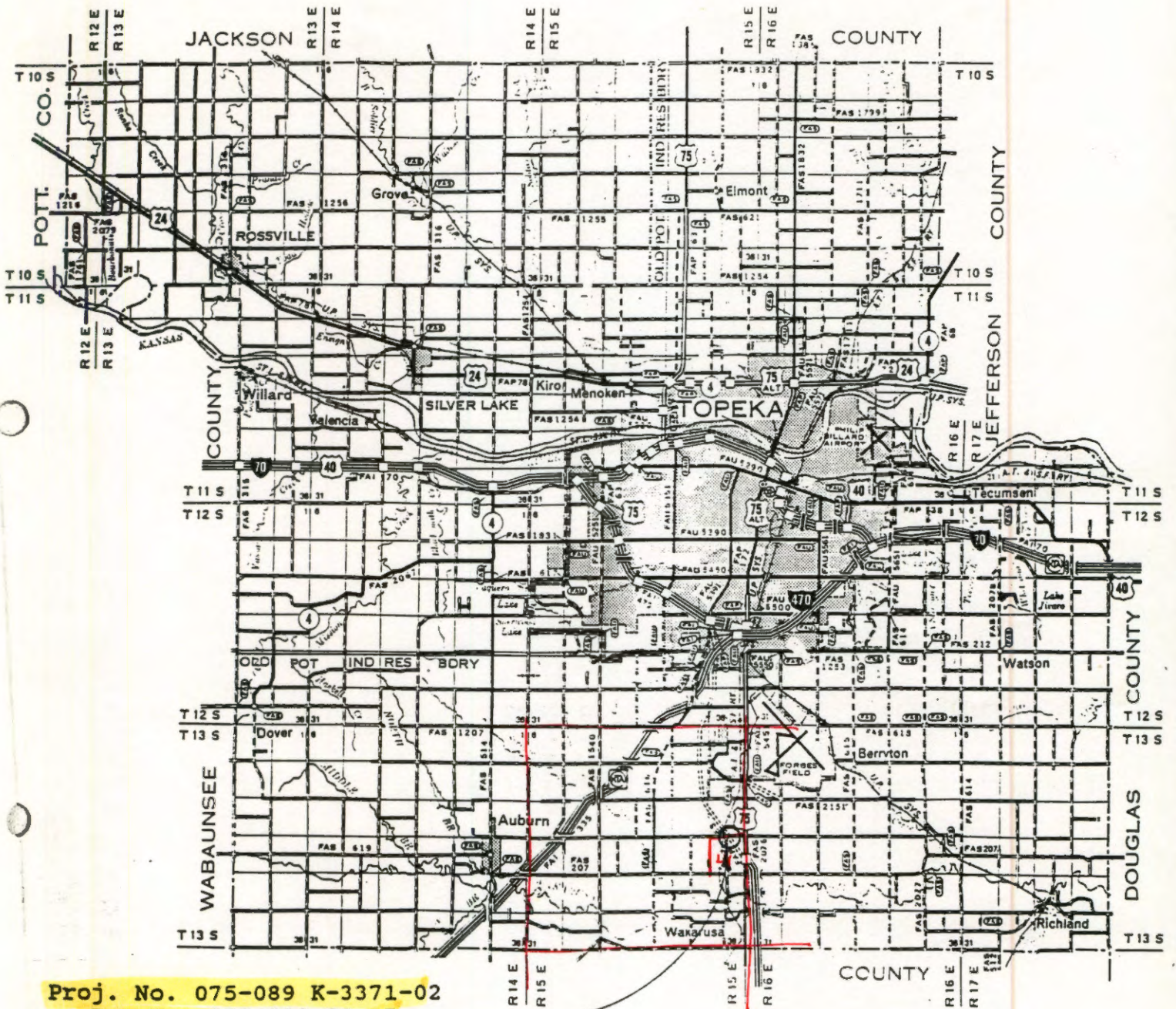


ROUTE-COUNTY NO. 75-89	SOUNDING NO. CD # AA	SHEET 1 OF 1
BRIDGE STA. 166+88.60	PROJECT NO. K-3371-02	BRIDGE NO. 75-89-3.17
DESCRIPTION 85th ST over US-75		HOLE STA. 51+33, 38 P+G 85th
GEOLOGIST CROW	VERTICLE SCALE 1"=10'	DATE 4-19-93
DRILLER BERGMAN	RIG B-61	ELEVATION TOP OF HOLE 1055.0
GROUND WATER ELEV. —	TOTAL DEPTH OF HOLE 68'0"	ELEVATION TOP OF ROCK 1050.0

BIT TYPE & NO.	GEOLOGIC NAME	STRATIGRAPHIC COLUMN	DEPTH	ELEVATION	CLASSIFICATION OF MATERIALS DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION TSF	STANDARD PENETRATION OR CASING DRIVE																																																																		
							BLOWS	ELEV.																																																																	
	SOIL MANTLE	/ / / / /	5.0	1050	THE-1055.0 Silty Clay Scattered gravels above contact		Pushed	1050																																																																	
"N" Fishtail	SEVERY SH FM	1 2 3 4 5 6 7 8 9	22.5	1040	Shale - tan/yellow to light gray/tan Soft, wthd. Becoming firmer with depth Sandy to clayey			1040																																																																	
			25.0	1030	Shale - Gray, sandy	49.12 41.57	1030																																																																		
							18.53 22.61																																																																		
							11.60 61.38	1020																																																																	
							46.44 94.16 68.95 93.02																																																																		
							79.54 61.38 8363	1010																																																																	
			68.0	990			990																																																																		
			TD																																																																						
					<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>CORE #</th> <th>DEPTH (FT)</th> <th>ELEV (FT)</th> <th>CUT (FT)</th> <th>REC (FT)</th> <th>ROD %</th> </tr> </thead> <tbody> <tr><td>1</td><td>25.0</td><td>1030.0</td><td>3.4</td><td>3.4</td><td>97</td></tr> <tr><td>2</td><td>28.4</td><td>1026.6</td><td>5.0</td><td>5.0</td><td>86</td></tr> <tr><td>3</td><td>33.4</td><td>1021.6</td><td>5.0</td><td>5.0</td><td>28</td></tr> <tr><td>4</td><td>38.4</td><td>1016.6</td><td>5.0</td><td>5.0</td><td>62</td></tr> <tr><td>5</td><td>43.4</td><td>1011.6</td><td>5.0</td><td>4.6</td><td>62</td></tr> <tr><td>6</td><td>48.4</td><td>1006.6</td><td>4.6</td><td>4.6</td><td>96</td></tr> <tr><td>7</td><td>53.0</td><td>1002.0</td><td>5.0</td><td>5.0</td><td>92</td></tr> <tr><td>8</td><td>58.0</td><td>997.0</td><td>5.0</td><td>4.5</td><td>~90</td></tr> <tr><td>9</td><td>63.0</td><td>992.0</td><td>5.0</td><td>4.5</td><td>~90</td></tr> <tr><td>TOTAL</td><td></td><td></td><td>43.0</td><td>41.6</td><td></td></tr> </tbody> </table>	CORE #	DEPTH (FT)	ELEV (FT)	CUT (FT)	REC (FT)	ROD %	1	25.0	1030.0	3.4	3.4	97	2	28.4	1026.6	5.0	5.0	86	3	33.4	1021.6	5.0	5.0	28	4	38.4	1016.6	5.0	5.0	62	5	43.4	1011.6	5.0	4.6	62	6	48.4	1006.6	4.6	4.6	96	7	53.0	1002.0	5.0	5.0	92	8	58.0	997.0	5.0	4.5	~90	9	63.0	992.0	5.0	4.5	~90	TOTAL			43.0	41.6			
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"N" Fishtail

"N" Core Barrel



Proj. No. 075-089 K-3371-02
 Br. No. 075-089-03.17
 85th.St. over US-75
 South Topeka Bypass
 Sta.166+88.60

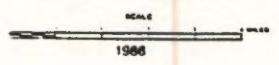
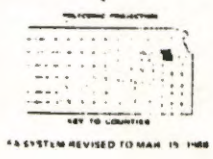
NW-NE-24-135-15E
 0-30'
 Wabaussee
 Swarly

LEGEND

ROADS AND ROADWAY FEATURES		ROAD SYSTEM DESIGNATION	
STREET ROAD	=====	FEDERAL-AID INTERSTATE HIGHWAY SYSTEM	=====
IMPROVED ROAD	=====	FEDERAL-AID PRIMARY HIGHWAY SYSTEM	=====
DIG AND DRAINED ROAD	=====	FEDERAL-AID SECONDARY HIGHWAY SYSTEM	=====
SURFACED ROAD	=====	INTERSTATE NUMBERED HIGHWAY	=====
RD. ON STONE ROAD	=====	U.S. NUMBERED HIGHWAY	=====
7' GRADED OR DRAINED	=====	STATE HIGHWAY SYSTEM OR	=====
RD. ON STONE ROAD	=====	STATE NUMBERED HIGHWAY	=====
ROAD AND DRAINED	=====	END OF DESIGNATED SYSTEM OR	=====
RD. ON STONE ROAD WITH	=====	MARKED ROUTE	=====
GRADED SURFACE	=====		
ROADS ROAD-LOW TYPE	=====		
RD. ROAD	=====		
RD. HIGHWAY	=====		
RD. WITH FULL CONTROL OF	=====		
RD. AND INTERCHANGE	=====		

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



*AS SYSTEM REVISED TO MAR. 15, 1968

1968