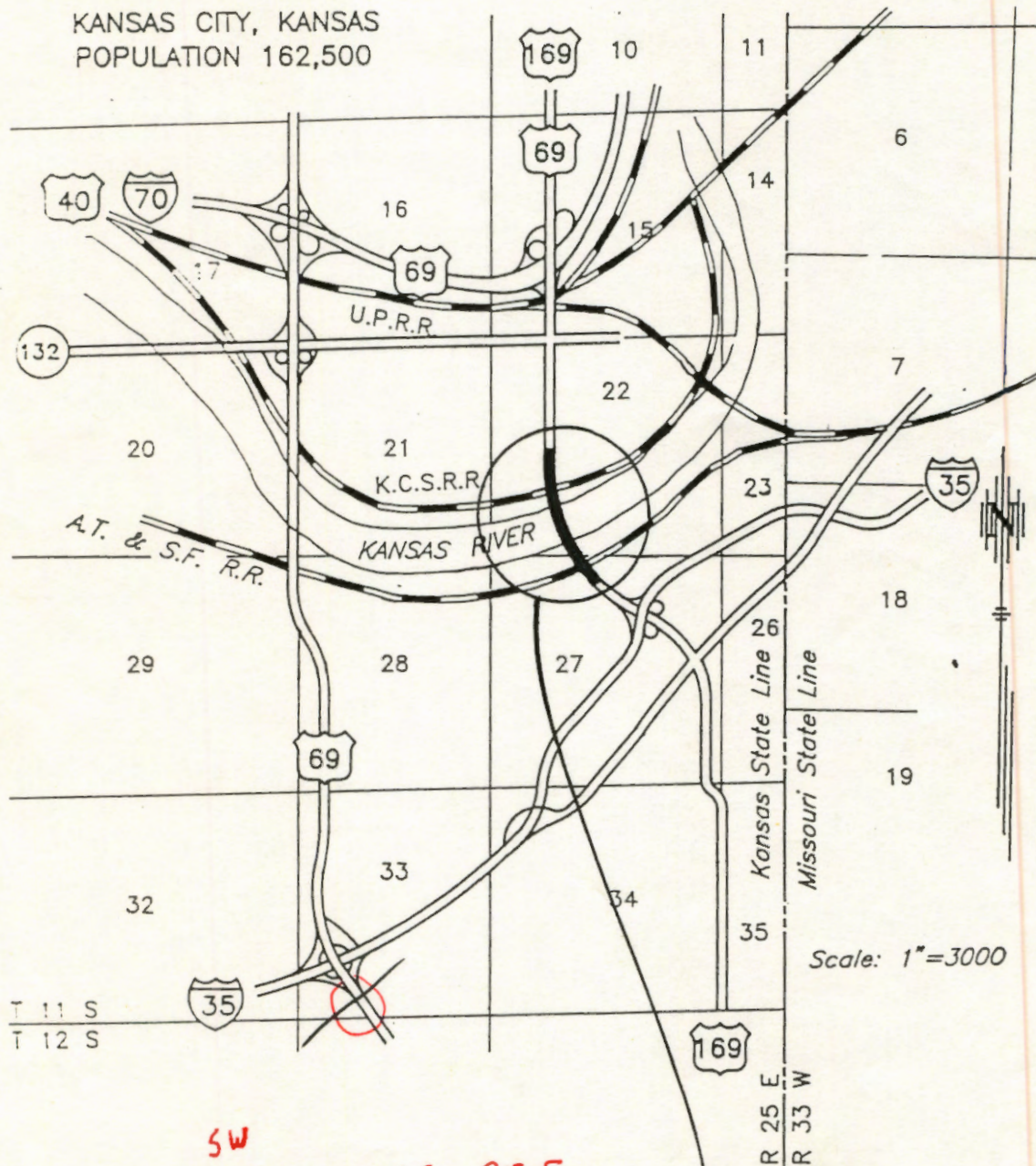


Kansas Department of Transportation

BRIDGE FOUNDATION GEOLOGY REPORT



SW
SE - 22 - 11S - 25 E

169-105 K-2878-01

~~7th St. over Relocated Stine Ave.~~
Wyandotte County

Br # 2.60

169 - over Kansas River

KANSAS DEPARTMENT OF TRANSPORTATION

COUNTY Wyandotte

PROJECT NO. K-3378-01

BRIDGE NO. 2.60

DESCRIPTION 7th St. over Keweenaw

STA. 125+25.7 40' R.T. &

GEOLOGIST Thompson

VERTICAL SCALE 1" = 10'

DATE 2/8/90

BIT TYPE & NO.	GEOLOGIC NAME	GEOLOGIC COLUMN	GROUNDWATER ELEVATION	DEPTH	ELEVATION	GEOLOGIC DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION	STANDARD PENETRATION OR CASING DRIVE	
								BLOWS	ELEV.
					760				
						T.H.E. 752.91			
				55	753.4	Sand sandy clay.		Blows per .5	
				60	751.9	Sand fine to med.		1, 3, 5	
				95	748.4	Sa. #1 fine sand to silt with some clay binder			
				110	746.9	Sa. #2		1, 2, 5	
				145	743.4	Sand, fine, clean, approx. 3 silt			
				160	741.9	Sa. #3		3, 5, 7	
				195	738.4	silt, gray brown, clayey.			
				210	736.9	Sa. #4		1, 2, 3	
				245	733.4	silt-clayey, gray, med.			
				260	731.9	Sa. #5		1, 3	
				295	728.4	20% silt, clay, blue gray. 20% silt, fine and clay binder. Sa. #6 - 40% silt, clay, blue gray.			
				310	726.9	Sa. #6		1, 3, 4	
				345	723.4	Sand, fine to med. Some binder. very firm.			
				360	721.9	Sa. #7		5, 5, 4	
				395	718.4	Harder in this layer. approx. 7 coarse sand. fine to med. sand. Some binder. Loss to binder.			
				410	716.9	Sa. #8		5, 5, 5	
				445	713.4	Sand, fine to med. Clay binder in bottom 0.6.			
				460	711.9	(NOTE) Sand changed into larger than sampling.		1, 2, 6	
				495	708.4	Sand, med. to coarse. Some clay binder and thin clay lenses.			
				505	707.4	Sa. #10		4, 5, 6	
				540	703.9	54% to 55% sand, med to coarse. 55% to 55% clay, blue gray.			
				555	702.4	Sa. #11		2, 3, 3	
				590	698.9	Sand fine to med. Some organics silt, sandy clay, dk. gray.			
				605	697.4	Sa. #12		8, 10, 7	
				640	693.9	clay, blue gray, firm			
				655	692.4	Upper 3' med sample submitted		3, 4, 6	
					690	Sa. #13			

KANSAS DEPARTMENT OF TRANSPORTATION

COUNTY Wyandotte

PROJECT NO. K-2878-01

BRIDGE NO. 2.60

DESCRIPTION

7th St. over Kaw River

STA.

125+25 40 ft. &

GEOLOGIST

Thompson

VERTICAL SCALE

DATE

BIT TYPE & NO.	GEOLOGIC NAME	GEOLOGIC COLUMN	GROUNDWATER ELEVATION	DEPTH	ELEVATION	GEOLOGIC DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION	STANDARD PENETRATION OR CASING DRIVE	
								BLOWS	ELEV.
	Alluvium	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	70.1	69.0	688.91	690 Sand. coarse. Gravel at base.			
				70.5	687.4	Sa. #14		10, 13, 14	
				74.0	682.97	Sand. coarse to gravel. slight amounts of clay binder			
				75.5	682.47	Sa. #15		3, 4, 7	
					680	Sand. coarse to gravel.			
				79.5	678.97	same order			
				82.5	677.47	Sa. #16		4, 4, 6	
						Sand. coarse, fine and gravel. light clay binder			
				85.5	672.97				
				86.5	671.47	Sa. #17		13, 9, 10	
	Dense sand	0.00 0.00 0.00 0.00			670	Last sample at 85.5 to 86.5 averaged to formation			
				93.5	664.83	Coarse sand & pebble			
				94.1	663.83	#1 Cored 5'; recov. 4.75			
				99.1	660	Sh. Dense massive. Dark gray, silty See sheet #3			
						#2 Cored 4'; recov. 3'			
				105.5	654.17	Ditto above			
					650	T.D. 103.8			

ROUTE NO. 169

SOUNDING NO. CD #1

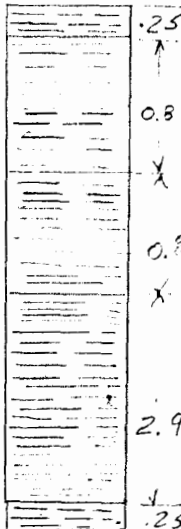
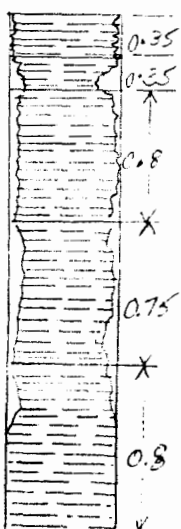
SHEET 3 OF 3

KANSAS DEPARTMENT OF TRANSPORTATION

COUNTY Wyandotte PROJECT NO. K-2878-01 BRIDGE NO. 2.60

DESCRIPTION 7th Str. over Kaw River STA. 125+25, 40 ft. d.f.

GEOLOGIST Thompson VERTICAL SCALE DATE 2/8/98

BIT TYPE & NO.	GEOLOGIC NAME	GEOLOGIC COLUMN	GROUNDWATER ELEVATION	DEPTH	ELEVATION	GEOLOGIC DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION	STANDARD PENETRATION OR CASING DRIVE	
								BLOWS	ELEV.
						Core Description Core #1, 93⁺ To 99⁺ Cored 5⁺ rec'd. 4.75  RQD = 4.5/5.0 shale dk. gray. Dense, massive. Silty. RQD = 2.3/4.7			
						Core #2, 99⁺ To 103⁺ Cored 4.7 rec'd. 3.1  most of core chattered up by gravel & large pebbles in barrel. bottom 0.5 not cut up. sample had to be ground out after barrel. Shale. dk. gray. Dense. hard. silty RQD = 2.3/4.7			