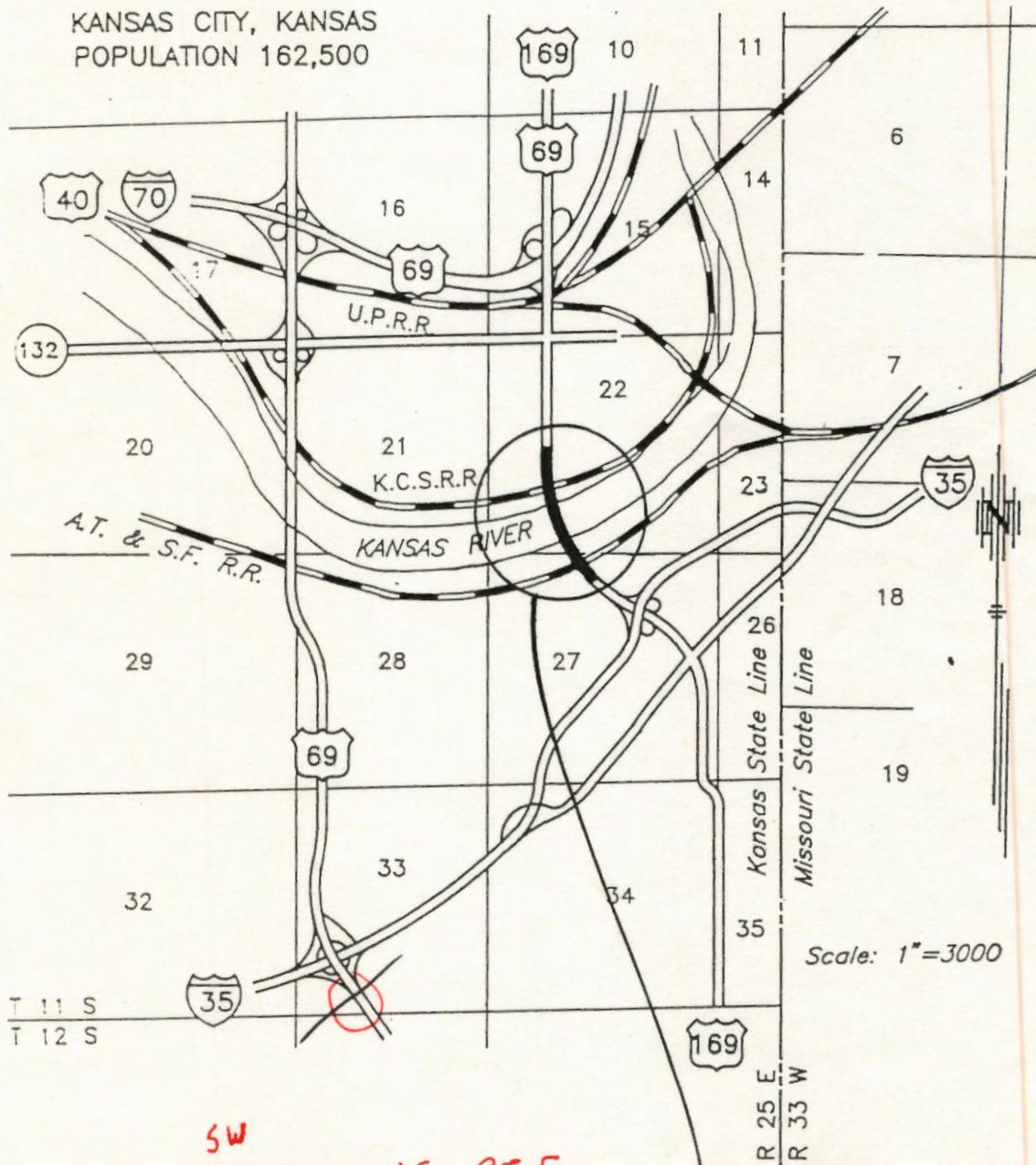


Kansas Department of Transportation

BRIDGE FOUNDATION GEOLOGY REPORT



SW
SE -22 - 115 - 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. 169-105-K-2878 BRIDGE NO. 2.60

DESCRIPTION US 169 over Kansas River STA. 212+00.12, Lt 20.5'

GEOLOGIST Kotoyantz VERTICAL SCALE 1" = 10' DATE 2-26-90

BIT TYPE & NO.	GEOLOGIC NAME	GEOLOGIC COLUMN	GROUNDWATER ELEVATION	DEPTH	ELEVATION	GEOLOGIC DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION	STANDARD PENETRATION OR CASING DRIVE	
								BLOWS	ELEV.
						T.H.E. 764.8			
	Mantle			11.5	760	Silty clay, clay lenses, gray-greenish gray. Upper 3.5 ft. contains ls. rubble.			
					16.0	753.3		748.8	Sg. #1
	Batonian Formation			21.0	750	Ls. hard, dense, upper 3.2 ft. contains numerous partings.	743.8	Sg. #2	
					26.0	740			
	Ladore Sh. Mbr			29.8	735.0	sh, black, lower 1.6 ft. is fissile sh.			
					33.0	730			
	Heron Group			36.0	728.2	Ls, hard			
					40.0	724.8	Shale, clayey gray		
	Pleasanton Group				720	Ls, hard			
					48.0	716.8			
				52.0	712.8	Shale, limy, lt gray			
				57.0	710	sh, dk. gray - greenish gray, silty.	707.8	Sg. #3	
				62.0	707.8		707.1	Sg. #4	
				66.0	700	sh, silty, micaceous, fine grained ss. stringers & bands, dk. gray - greenish gray - black.	702.8	Sg. #5	
				68.0	696.0				
				73.0	692.3	sh, silty, micaceous black	692.3	Sg. #5	

KANSAS DEPARTMENT OF TRANSPORTATION

COUNTY Wyandotte PROJECT NO. 169-105-K-2878-01 BRIDGE NO. 2.60

DESCRIPTION US 169 over Kaw River STA. 212+00.18, Lt 20.5'

GEOLOGIST Kotyantz VERTICAL SCALE 1" = 10' DATE 2-26-90

BIT TYPE & NO.	GEOLOGIC NAME	GEOLOGIC COLUMN	GROUNDWATER ELEVATION	DEPTH	ELEVATION	GEOLOGIC DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION	STANDARD PENETRATION OR CASING DRIVE	
								BLOWS	ELEV.
				78°	686.8	sh, silty, micaceous black.	686.8 qu. 44.2 t.s.f.		
				83°	681.8	sh, clayey, black.	682.0 qu. 81.7 t.s.f.		
					680	TD. 681.8 SIS			
<p>Core # 1 753.3 - 748.8 Cut 4⁵ Rec 4⁵ Core Recovery = 100% Modified Core Rec = 3.13 RQD = 69%</p>									