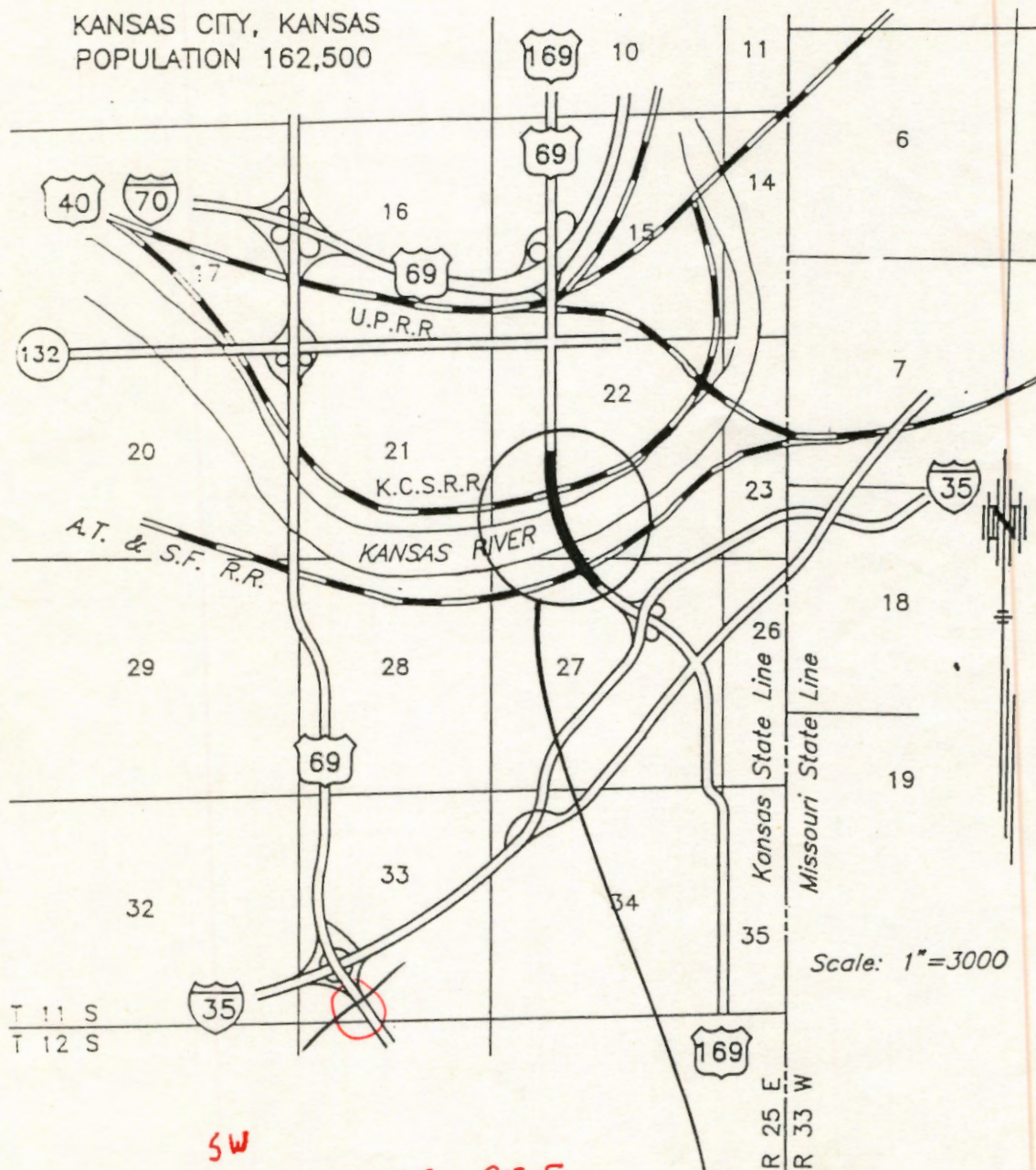


Kansas Department of Transportation

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-2878-01 BRIDGE NO. 02.60

DESCRIPTION US 169 over Kansas River at 7th St STA. 227+10, Lt 43' E Proj

GEOLOGIST Clowers/Kotolyantz VERTICAL SCALE

DATE 4-6-90

BIT TYPE & NO.	GEOLOGIC NAME	GEOLOGIC COLUMN	GROUNDWATER ELEVATION	DEPTH	ELEVATION	GEOLOGIC DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION	STANDARD PENETRATION OR CASING DRIVE	
								BLOWS	ELEV.
					668.3	Standard Pen #4, Cont.			
				70°	678.3	Clay, sand			678.3
				71°	676.8	SA #14		4, 9, 13	676.8
				75°	673.3	Sand, medium to coarse, heavy gravel			673.3
				76°	671.8	SA #15		14, 19, 27	671.8
					670	Sand, medium to coarse, some fines, clean.			670
				80°	668.3				668.3
				81°	666.8	SA #16		5, 7, 15	666.8
						Sand, medium to coarse gravel mixed, some silt			
					660				660
					652.0				652.0
					650	Shale, silty, micaceous, hard gray			650
		1							
		2			642.3	T.D.			642.3
					640				640
						Core #1 97 [±] - 102 [±]			
						Cut 5 [±]			
						Recovered 5 [±]			
						Shale, silty, micaceous, hard, gray			
						Core Recovery = 100%			
						RQD = 89%			
						Core #2 102 [±] - 105 [±]			
						Cut 2 [±]			
						Recvd 2 [±]			
						Shale, silty, gray			
						Core Recovery = 98%			
						RQD = 98%			

KANSAS DEPARTMENT OF TRANSPORTATION

COUNTY Wyandotte PROJECT NO. 169-105-K-2878-01 BRIDGE NO. 02.60

DESCRIPTION US 169 over Kansas River at 7th St STA. 227+10, L+43' & Proj

GEOLOGIST Clowers/Kotayantz VERTICAL SCALE 1" = 10' DATE 4-6-90

BIT TYPE & NO.	GEOLOGIC NAME	GEOLOGIC COLUMN	GROUNDWATER ELEVATION	DEPTH	ELEVATION	GEOLOGIC DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION	STANDARD PENETRATION OR CASING DRIVE	
								BLOWS	ELEV.
						Standard Pen. # 4			
				0°	750	T.H.E. 748.26			
				5°	743.3	Silty clay to sand, brown		Blows pcf 5	743.3
				6°	741.8	Sa #1		1, 1, 1	741.8
				10°	738.3	Sand fine, some clay binder			738.3
				11°	736.8	Sa #2		2, 2, 2	736.8
				15°	733.3	Sand, very fine, some clay binder			733.3
				16°	731.8	Sa #3		5, 11, 13	731.8
				20°	728.3	Sand, medium to very fine			728.3
				21°	726.8	Sa #4		6, 7, 7	726.8
				25°	723.3	Sand, medium to fine, clean, dry			723.3
				26°	721.8	Sa #5		8, 13, 4	721.8
				30°	718.3	Sand, medium to fine, clean			718.3
				31°	716.8	Sa #6		7, 11, 10	716.8
				35°	713.3	Sand, fine to gravel			713.3
				36°	711.8	Sa #7		2, 8, 6	711.8
				40°	708.3	Sand, coarse to gravel, some clay			708.3
				41°	706.8	Sa #8		5, 12, 17	706.8
				45°	703.3	Sand, fine to medium, clean			703.3
				46°	701.8	Sa #9		9, 15, 14	701.8
				50°	698.3	Sand, fine, clean			698.3
				51°	696.8	Sa #10		5, 14, 22	696.8
				55°	693.3	Sand, medium to coarse, thin clay lense in center			693.3
				56°	691.8	Sa #11		7, 13, 14	691.8
				60°	688.3	Sand, medium, clean			688.3
				61°	686.8	Sa #12		13, 15, 13	686.8
				65°	683.3	Sand, coarse to gravel, clay lenses			683.3
				66°	681.8	Sa #13		6, 9, 11	681.8