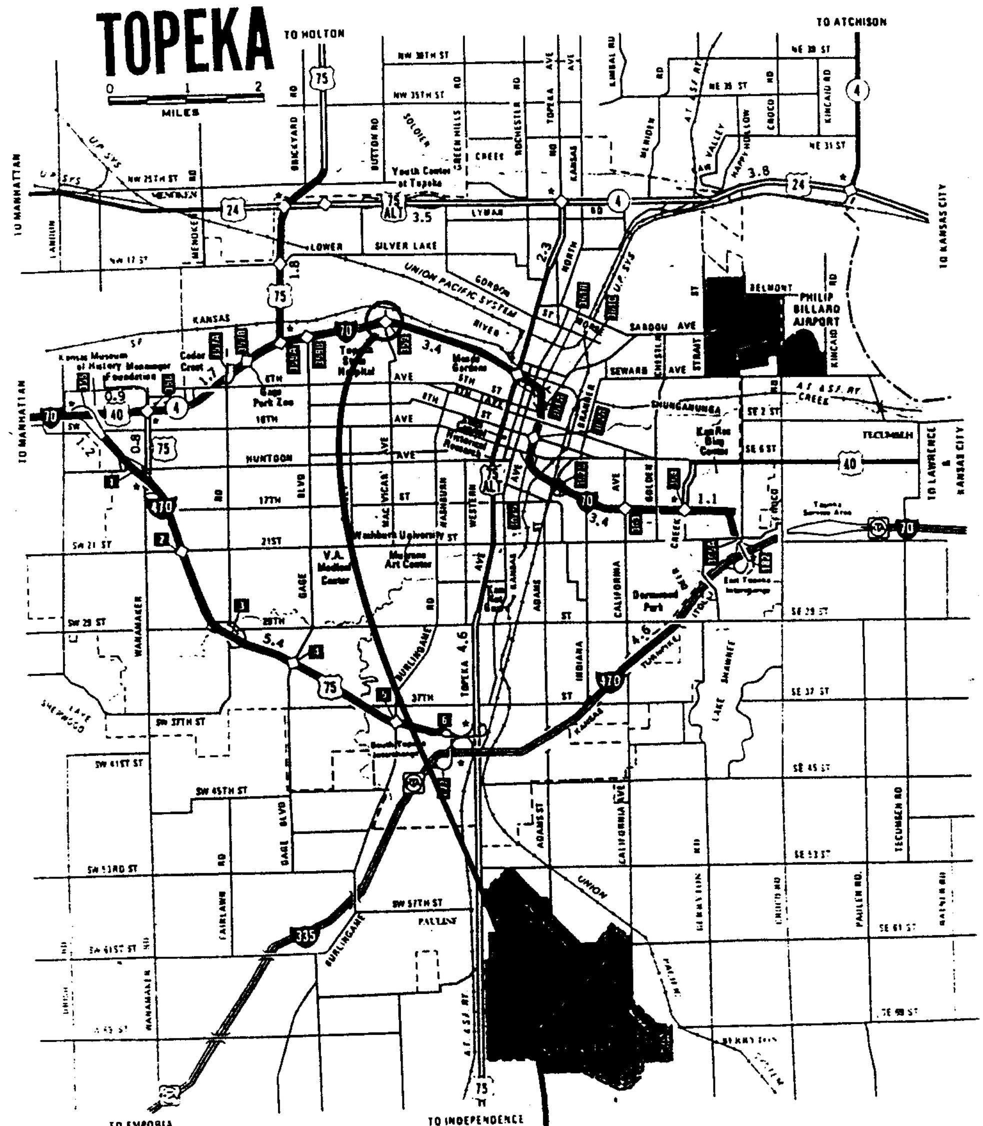
Kansas Department of Transportation

BRIDGE FOUNDATION REPORT



NE NE - 26 - 11S - 15E

0 - 72'

Webaunsee ?

Severly shale ?

No units listed or. distinguisable by lithology

70-89 K-2446-01
I-70 over MacVicar Ave.
Shawnee County

Br # 13.38

ROUTE NO. I-70 SOUNDING NO. CD-1A SHEET 1 OF 2

KANSAS DEPARTMENT OF TRANSPORTATION

COUNTY Shawnee PROJECT NO. 70-89-K-2446-01 BRIDGE NO. 13.38

DESCRIPTION I-70 over MacVicar Ave STA. 193+90, Rt. 10' E Proj.

GEOLOGIST Alex Kotaxpmtz VERTICAL SCALE 1"=10' DATE 6-20-1990

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. El. 884.2			
					880	Sand, fine, thin clay lenses tan.		Pushed	
				7.0	877.2				
						Silt, tan			
				11.5	872.7			15 SPT	872.7
					870	Sand, fine-medium, lt. tan.			871.2
					867.9			15 SPT	867.7
						Sand, medium-coarse, and gravel			
			859.7	20.2	864.0			34 SPT	862.7
					860	Sand, fine, lt. tan-gray.			
					856.2				
					850	Sand, fine-medium, gray.			
				43.0	841.2				
					840	Sand, coarse, & gravel			
				48.5	835.7				
				49.4	834.8	Wthd. sh., silty, clayey, grayish green.		60 S.P.T.	834.8
				51.2	833.0	Sh., silty, micaceous, lt. gray.	Sa.#1 Qu 129.96		832.3
				53.7	830.5	siltstone, dense, hard, gray	Sa.#2 Qu 34.47		829.5
					830	sh., silty, micaceous, hard, gray.			
				57.5	826.7				
				58.9	825.3	siltstone, micaceous, hard, gray.	Sa.#3 Qu 87.63		825.9
				60.1	824.1	ss., fine grained, hard, dense, gray.			
						sh., silty, micaceous with ss. zones dense, hard,	Sa.#4 Qu. 33.69		821.9
					820		Sa.#5 Qu. 35.50		819.5
							Sa.#6 Qu. 82.57		818.3
				68.4	815.8		Sa.#7 Qu 23.63		815.9
				70.2	814.0	siltstone, gray.			
				72.5	811.7	ss. with sandy sh. break, Hard gray.			
					810				

ROUTE NO. I-70 SOUNDING NO. CD-1A SHEET 2 OF 2

KANSAS DEPARTMENT OF TRANSPORTATION

COUNTY Shawnee PROJECT NO. 70-89-K-244-01 BRIDGE NO. 13.38

DESCRIPTION I-70 over MacVicar Ave. STA. 193+90, 8ft. 10' ℄ Proj.

GEOLOGIST 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	STANDARD PENETRATION OR CASING DRIVE ELEV.
						Core #1, 47'-53' (834.7-830.7) Cut 4' Rec. 4' R.Q.D. 73% Core Rec. 100% Core #2, 53'-57' (830.7-826.7) Cut 4' Rec. 4' R.Q.D. 38% Core Rec. 100% Core #3, 57'-62' (826.7-821.7) Cut 5' Rec. 5' R.Q.D. 75% Core Rec. 100% Core #4, 62'-67' (821.7-816.7) Cut 5' Rec. 5' R.Q.D. 100% Core Rec. 100% Core #5, 67'-72' (816.7-811.7) Cut 5' Rec. 4.9' R.Q.D. 42% Core Rec. 98%			