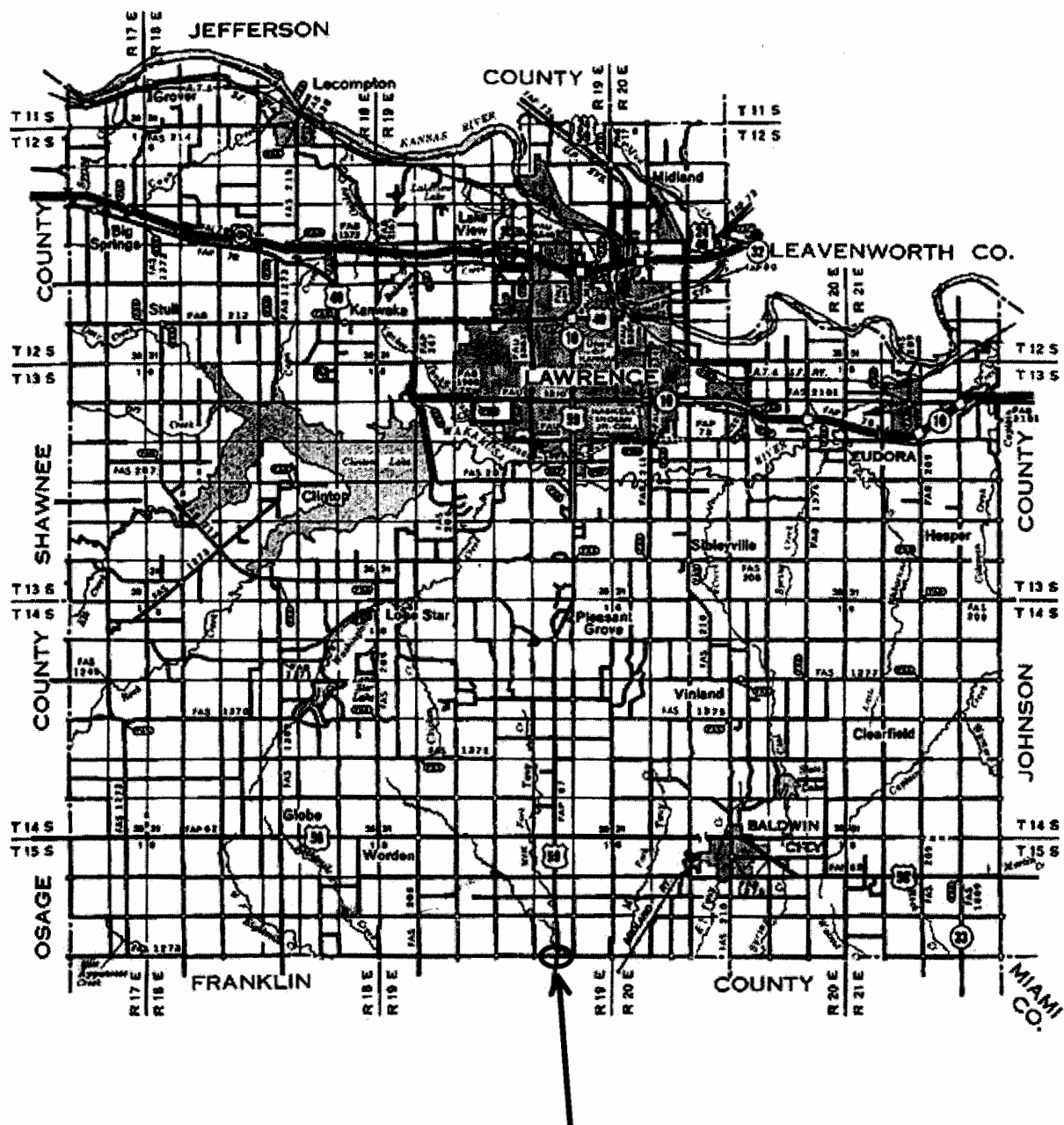




59-23 K-7888-01 US-59 over Woodson Rd.

Bridge No. 59-23-0.00(105)NB, (106)SB

Douglas County

CD 01

N: 38.738611 E: -95.267563

~~NW 1/4, NW1/4, SE1/4, Section 23, T15S, R19E~~

SW SW SE Sec. 14

KANSAS DEPARTMENT OF TRANSPORTATION



RTE./CO.	59-23	SOUNDING NO.	CD #1	SHEET 1 OF 2
BRIDGE STA.	99+97.85 S.B. 100+02.14 N.B.	PROJ.NO.	K-7888-01	BRIDGE NO. 59-23-0.00(105) 59-23-0.01(106)
SITE NAME	US-59 over Woodson Road			HOLE STA. 100+26.37; 51' Lt.
GEOLOGIST	C. Timken	SCALE	1 unit = 2 feet	DATE June 9, 2004
DRILLER	T. Johnson	RIG TYPE	CME-75	TOP HOLE ELEV. 966.58
GW ELEV. +/-	N/A	TOTAL DEPTH	51.0	M/B ELEV. 943.38

BIT TYPE	GEOLOGIC NAME	STRATIGRAPHIC COLUMN	DEPTH	ELEVATION	CLASSIFICATION OF MATERIALS DESCRIPTION AND REMARKS	Shaft 5.0 Segments	UNCONFINED COMPRESSION (tsf)	ELASTIC MODULUS (tsf)	ELEVATION
			0.00		T.H.E.: 966.58				
				966	Silty Clay, brown and reddish-brown.				
				964					
				962					
				960					
			9.00	958	957.58 Sand, fine, brownish-red, some lt. tan clay matrix.	1	1125	52	955.58
				956					
				954					
				952					
				950					
				948					
				946					
				944	943.38				
			23.20		943.08 Limestone, dark gray, hard.				
			23.50	942	Limestone, lt. tan and lt. gray, calcium carbonate nodules.	2	545	82000	940.98
				940	940.38				
			26.20		939.78 Shale, dark gray to gray, some gypsum.				
			26.80		Limestone, shaley, gray to lt. gray.				
				938	938.08	3			
			28.50						

KANSAS DEPARTMENT OF TRANSPORTATION

RTE./CO.	59-23	SOUNDING NO.	CD #1	SHEET 2 OF 2
BRIDGE STA.	99+97.85 S.B. 100+02.14 N.B.	PROJ.NO.	K-7888-01	BRIDGE NO. 59-23-0.00(105) 59-23-0.01(106)
SITE NAME	US-59 over Woodson Road			HOLE STA. 100+26.37; 51' L.I.

BIT TYPE	GEOLOGIC NAME	STRATIGRAPHIC COLUMN	DEPTH	ELEVATION	CLASSIFICATION OF MATERIALS DESCRIPTION AND REMARKS	Shaft 5.0 Segments	UNCONFINED COMPRESSION (tsf)	ELASTIC MODULUS (tsf)	ELEVATION
NQ2 Diamond	Vinland Shale Member		29.00	936	937.58 Limestone, light gray, shaley. Shale, dk. gray to lt. gray, platy, coal seam at 29.3' (0.01' thick), SS lense near base.	1	1.3	39.7	936.08
			33.50	934	933.08 Shale with Interbedded sandstone, gray to dark gray, fine-grained sand.	3	2.315	71.0	933.48
			38.50	928	928.08 Sandstone, gray to dark gray, with shale seams and lenses.	4	43.75	19.25	923.38
			43.50	922	923.08 Sandstone, limy, gray to dark gray.	5	47.3.5	89000	921.28
			46.70	920	919.88 Shale, dark gray.	6	80.5	2015	918.28
			48.50	918	918.08 Shale, dark gray.		12.05	360.5	916.68
			51.00	916	915.58				
				914	T.D. = 51.00'				
				912	Core Depth Elev. Cut Rec % ROD				
				910	1 23.50 943.08 5.0 5.1 102 54%				
				908	2 28.50 938.08 5.0 5.0 100 80%				
				906	3 33.50 933.08 5.0 5.0 100 100%				
				904	4 38.50 928.08 5.0 5.0 100 100%				
				902	5 43.50 923.08 5.0 5.0 100 72%				
				900	6 48.50 918.08 2.5 2.5 100 100%				
				898	Total 51.00 915.58 27.5 27.6 100.4 XXXX				