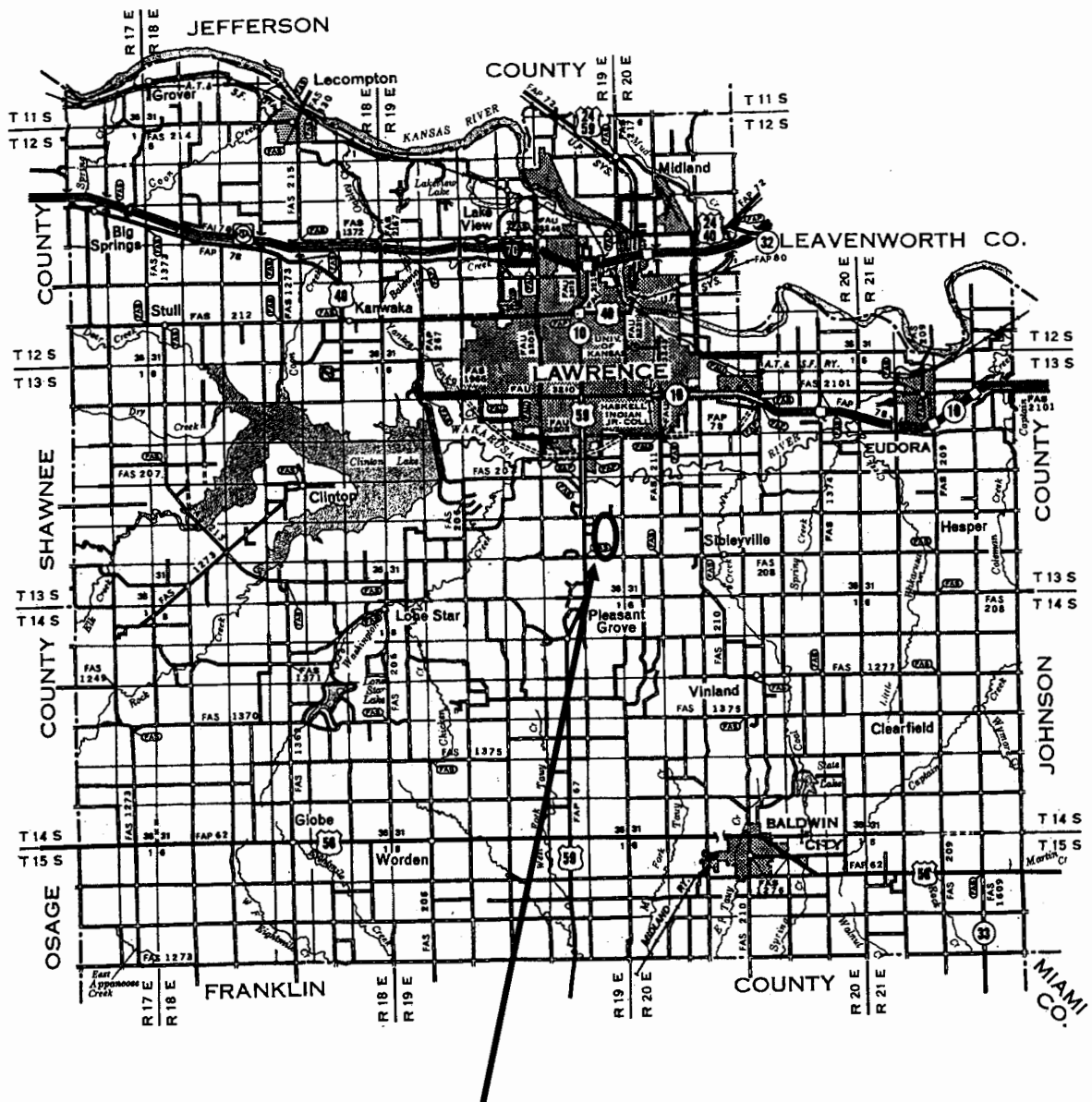




59-23-K-7888-01 US-59 over Road 1000N

Bridge No. 59-23-10.18(122)NB

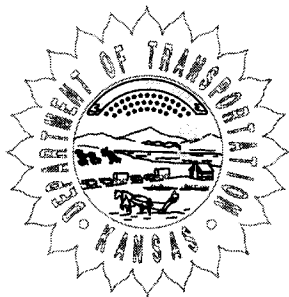
Douglas County

CD 03

N: 38.884845 E: -95.258565 (Approximate)

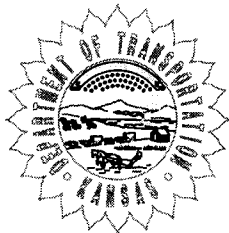
SW 1/4, SW 1/4, SW 1/4, Section 25, T13S, R19E

KANSAS DEPARTMENT OF TRANSPORTATION



RTE./CO. 59-23	SOUNDING NO. CD * 3	SHEET 1 OF 3
BRIDGE STA. 637+94J4	PROJ.NO. 59-23 K-7888-01	BRIDGE NO. 10J8 (122)
SITE NAME Northbound US-59 over 1000 Rd		HOLE STA. 637+39.64' Rt C US-59
GEOLOGIST Crow	SCALE 1:100 (10mm=1m)	DATE 7/19/06
DRILLER Vervynck	RIG TYPE CME-55	TOP HOLE ELEV. 870.36
GW ELEV. H	TOTAL DEPTH 64J	M/B ELEV. 869.89

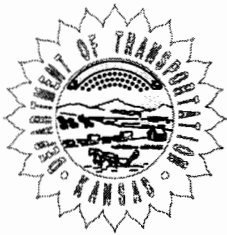
BIT TYPE	GEOLOGIC NAME	STRATIGRAPHIC COLUMN	DEPTH	ELEVATION	CLASSIFICATION OF MATERIALS DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION	STANDARD PENETRATION TEST (SPT)	
							N COUNT	ELEVATION
	Mantle			872				
				870	THE = 870.36 Tan/brown silty clay	psf		
8" Augers				868	Sandstone, very weathered, tan/orange			
				866	Sandstone, tan, moist, ironstone nodules Sandstone, tan, moist, rust-stained, micaceous			
				864				
				862				
				860		45400		859.26
				858				
				856		196000		854.36
				854				
				852				
NW size core bit	Lawrence Shale			850	Sandstone, moist, cross-bedded, tan in varying colors wood & plant fossils, shear plane	63500		849.56
				848				
				846	Sandstone, gray moist Sandstone, light & dark gray varves, cross-bedded			
				844				



KANSAS DEPARTMENT OF TRANSPORTATION

RTE./CO. 59-23	SOUNDING NO. CD *3	SHEET 2 OF 3
BRIDGE STA. 637+94.14	PROJ. NO. 59-23 K-7888-01	BRIDGE NO. 1018 (122)
SITE NAME US-59 over 1000 Rd		HOLE STA. 637+39.64' R/L US-59

BIT TYPE	GEOLOGIC NAME	STRATIGRAPHIC COLUMN	DEPTH	ELEVATION	CLASSIFICATION OF MATERIALS DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION psf	STANDARD PENETRATION TEST (SPT)	
							N COUNT	ELEVATION
NW size core bit	Lawrence Shale			842	Sandstone, light & dark gray varves, cross-bedded			
				840				
				838				
				836	Sandstone, gray, clean, firm	290000		836.26
				834				
				832		165000		832.56
				830	Sandstone, light & dark gray varves, cross-bedded, wet micaceous, very firm			
				828		11100		828.46
				826		81500		826.76
				824	Sandstone, light gray, clean, wet, very firm but fragile			
				822				
				820				
				818	Sandstone, light gray, shaly	255000		817.76
				816				
				814				
				812		192000		812.56
				810		285000		810.36



KANSAS DEPARTMENT OF TRANSPORTATION

RTE./CO. 59-23	SOUNDING NO. CD *3	SHEET 3 OF 3
BRIDGE STA. 637+94J4	PROJ.NO. 59-23 K-7888-01	BRIDGE NO. 10J8 (122)
SITE NAME US-59 over 1000 Rd		HOLE STA. 637+39,64' Rt E US-59

BIT TYPE	GEOLOGIC NAME	STRATIGRAPHIC COLUMN	DEPTH	ELEVATION	CLASSIFICATION OF MATERIALS DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION psf	STANDARD PENETRATION TEST (SPT)	
							N COUNT	ELEVATION
NW size core bit	Lawrence Shale			808	Sandstone, light gray, shaly			
				806	TD 64J (806.26)			