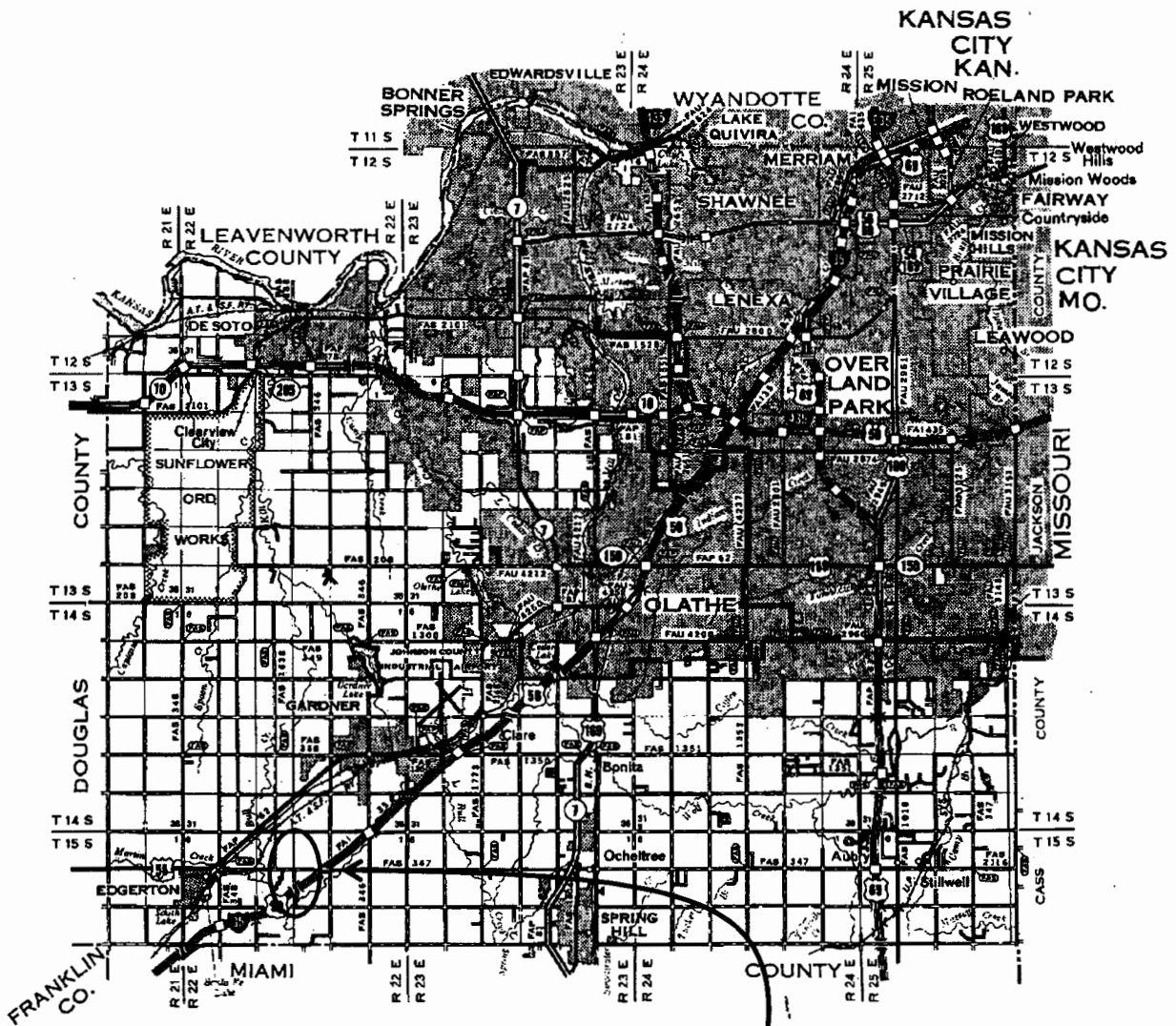




35-46 KA-1109-02

Br. No.35-46-3.22(417)SB

Homestead Lane over I-35

Johnson County

CD2

N:38.759774 E:94.964355

NE ¼, NE ¼, SE ¼, S09 T12S, R22E

T15S

KANSAS DEPARTMENT OF TRANSPORTATION



RTE./CO.	I-35-46	SOUNDING NO.	CD 2	SHEET	1 of 2
		PROJ. NO.	46-35 KA-1109-02	BRIDGE NO.	46-34-3.22 (416)
SITE NAME	Homestead Ln over I-35			HOLE STA.	67+93, 51.0' Rt CL
GEOLOGIST	C. Ridley	SCALE	1 inch = 5.0 feet	DATE	January 26, 2011
DRILLER	J. Burns	RIG TYPE	CME 55	TOP HOLE ELEV.	992.15
GW ELEV.	N/A	TOTAL DEPTH	28.3	W/B ELEV.	991.45

Bit Type	GEOLOGIC NAME	STRATIGRAPHIC COLUMN	DEPTH	ELEVATION	CLASSIFICATION OF MATERIALS DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION (TSF)	ELASTIC MODULUS (PSF)	N60 COUNT (SPT)	ELEVATION
Dig	Spring Hill		0.7	992.2	Clay, silty, gravel, dark-brown, moist				
				991.5	Limestone, broken and weathered orange to gray with large fractures filled with clay or weathered shale.				
		1		990					
			5.5	986.7	Limestone, gray hard minor pitting, transitions to a limy wavy bedded shale	213	1.34E+08		984.95
		2		985					
			7.5	984.7	Shale, brown to gray hard	8.1	785000		983.45
			8.7	983.5	Limestone, gray to yellow impure, grades to soft gray shale	3.8	282000		982.15
			9.0	983.2	Shale, olive brown to gray, clayey with thin bedding	1.7	150000		980.85
		3		980					
			11.5	980.7	Shale, yellow soft and very sand	7.8	459000		979.0
			11.8	980.4	Shale, maroon to purple, finely bedded, 1.0 ft thick soft zone at 12.8				
			14.4	977.8	Shale, gray firmer finely bedded	12	1320000		976.85
		4		975					
			17.3	974.9	Shale, clayey softer gray	2.8	169000		973.35
			19.7	972.5	Shale, gray finely bedded	6.5	520000		971.35
		5		970					
						3.7	201000		966.95
		6		965					
			27.3	964.9	Limestone, light gray to buff, minor fossils. Calcite nodules with crystalline calcite, thin wavy bedding. Secondary calcite veins common.	725	1.48E+08		964.35
			28.3	963.85					
T.D. = 28.3									

BOREHOLE REPORT - KANSAS DOT GDT - 325/11 12.32 - C:\CARRIE\BRIDGE\1109-02\HOMESTEAD LN OVER I-35 CD 2.GPJ