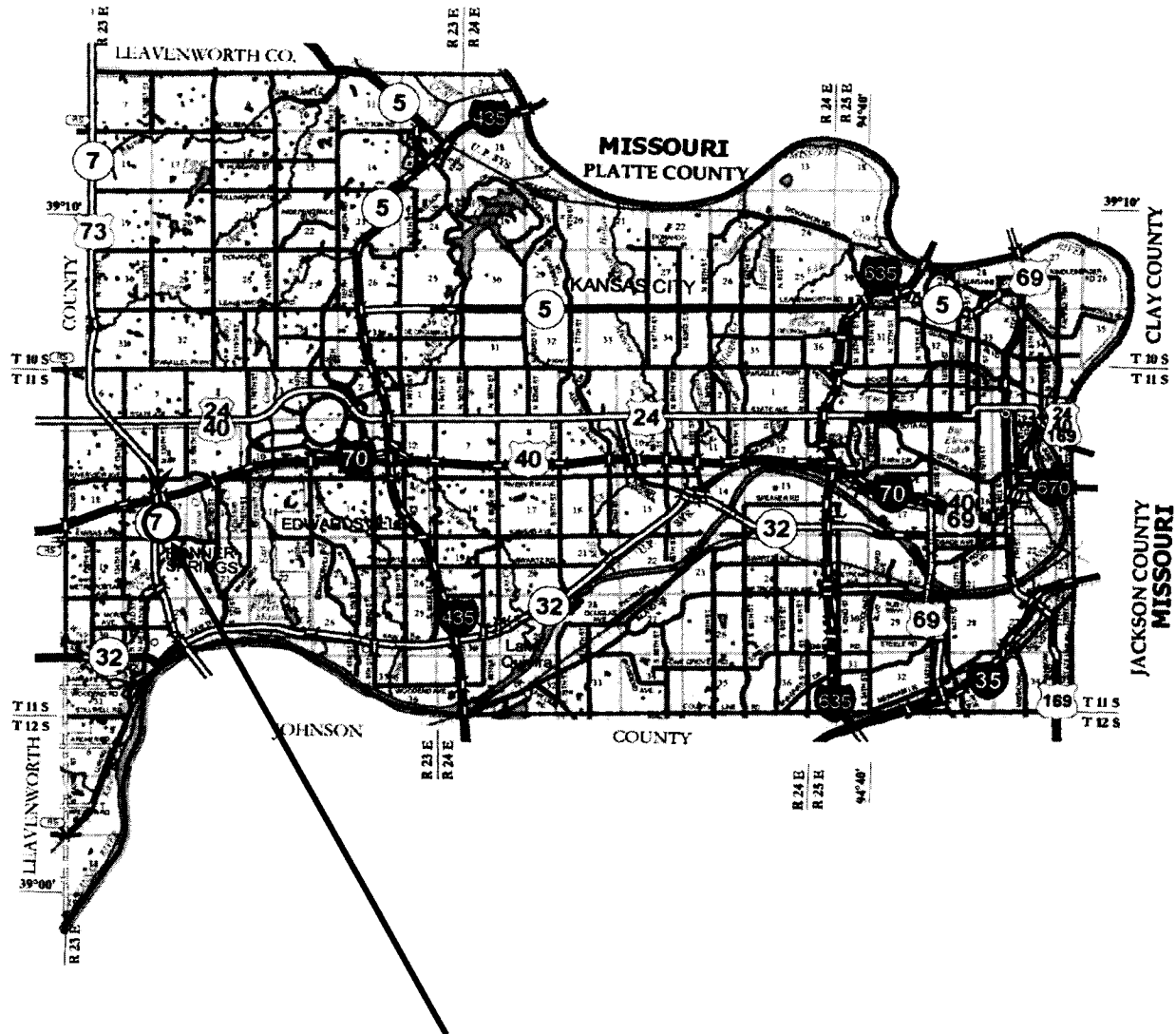




70-105 KA-1003-07 118th over I-70

Br.No.70-105-03.12(330)

Wyandotte County

CD 1

N: 39.103413 E:-94.853586

SW ¼, SW ¼, SW ¼, S10, T11S, R23E

KANSAS DEPARTMENT OF TRANSPORTATION



RTE./CO.	70-Wyandotte	SOUNDING NO.	CH-1	SHEET 1 of 2
BRIDGE STA.	14474+85: 12.0' Rt	PROJ. NO.	KA-1003-01	BRIDGE NO.
SITE NAME	K-7 and I-70 Interchange, 118th St			HOLE STA. 47+00, 75.0' Lt CL
GEOLOGIST	K. Halverson, G.A.	SCALE	1 inch = 10.0 feet	DATE July 27, 2010
DRILLER	J. Burns	RIG TYPE	CME 55	TOP HOLE ELEV. 979.5
GW ELEV.	N/A	TOTAL DEPTH	57.0	M/B ELEV. 973.0

Bit Type	GEOLOGIC NAME	STRATIGRAPHIC COLUMN	DEPTH	ELEVATION	CLASSIFICATION OF MATERIALS DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION (TSF)	ELASTIC MODULUS (PSF)	N60 COUNT (SPT)	ELEVATION
8" Hollow Augers	Soil Mantle			979.5	Silty Sandy Clay, dark brown, slightly moist, medium stiff (Fill)				
	Longanoxide Sandstone Mbr		1 6.5	973.0	Sandstone, orangish brown, weathered, medium hard "C"				
			2 7.1	972.4	Sandstone, orangish brown, weathered, very closely fractured, cross-bedded, medium hard, fine grained, poorly cemented, "C"				
			3 11.3	968.2	Sandstone, orangish brown, weathered, very closely fractured, cross-bedded, medium hard to hard, fine grained, @8.0-9.5 occasional interbedded sandy Shale seams	1.875	140000		967.0
			4 11.9	967.6		258.5	9.46E+07		964.3
			5 13.5	966.0	Sandstone with alternating Shale seams, gray to brown, very closely fractured, hard	206	5.89E+07		961.1
			6 18.3	961.3	Shale, gray, sandy, closely fractured, hard	10.65	938000		956.4
			7 22.5	957.0	Limestone, gray, very hard, closely fractured, non-weathered, fossiliferous, well cemented @ 15.3-16.1 verticle fractures, shaley	55	2.59E+07		952.1
			8 26.3	953.2	Shale, gray, clayey, hard, non-weathered, closely to very closely fractured, poor bedding structure, poorly laminated	248	2.04E+08		949.1
			9 27.7	951.8	Shale, gray, hard to very hard, abundant Limestone stringers, very closely fractured, non-weathered, alternating Shale and Limestone seams	243	1.15E+08		944.2
			10 32.5	947.0	Limestone, shaley, dark gray, very ahrd, very closely fractured, non-weathered, well cemented	49.25	1.69E+07		937.4
			11 40.3	939.3	Limestone, gray, closely to widely fractured, non-weatherd, occasional Shale seams, well cemented, fossiliferous	505	1.92E+08		931.2
NQ2 Diamond	Stoner Limestone Mbr		12 44.8	934.7	Shale, dark gray, very hard, well laminated, closey fractured, non-weathered	25.3	2840000		927.7
			13 45.4	934.1	Limestone, gray, very hard, well cemented, closely fractured, non-weathered	41.45	7940000		923.2
			14 49.6	930.0	Shale, gray, limy, very hard, well laminated, abundant Limestone stingers non-weathered, very closely fractured				
			15 57.0	922.5	T.D. = 57				

BOREHOLE REPORT - KANSAS DOT.GDT - 4/28/11 11:16 - Q:\SHARED\GINT PROJECT FILES\GINT LOGS\KYLE'S PROJECTS\118TH ST KA-1003-01.GPJ