



70-105 KA-1003-07 118th over I-70
Br.No.70-105-03.12(330)
Wyandotte County
CD2
N: 39.104907 E:-94.853587
SW ¼, SW ¼, SW ¼, S10, T11S, R23E

KANSAS DEPARTMENT OF TRANSPORTATION



RTE./CO.	70-Wyandotte	SOUNDING NO.	CH-2	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.	52+00, 60.0' Rt CL
GEOLOGIST	K. Halverson, G.A.	SCALE	1 inch = 10.0 feet	DATE	July 28, 2010
DRILLER	J. Burns	RIG TYPE	CME 55	TOP HOLE ELEV.	1001.83
GW ELEV.	N/A	TOTAL DEPTH	52.8	M/B ELEV.	1000.33

8" Hollow Augers	Bit Type	GEOLOGIC NAME	STRATIGRAPHIC COLUMN	DEPTH	ELEVATION	CLASSIFICATION OF MATERIALS DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION (TSF)	ELASTIC MODULUS (PSF)	N60 COUNT (SPT)	ELEVATION
		Soil Mantle		1.5	1000	Silty Sandy Clay, dark brown, slightly moist, soft medium stiff				
				3.0	1000.3	Sandstone, dark reddish brown, weathered, medium hard "C"				
				5.0	998.8	Sandstone, orangish brown, hard to medium hard, dry, "R"				
		Tonganoxie Sandstone Mbr.		1	996.8	Sandstone, orangish brown, well cemented, dry, closely to very closely fractured, non-weathered, hard, fine grained, cross-bedded	64.5	2.23E+07		996.03
			2	995						
			3	990						
			4	985						
			5	984.0	Sandstone, orangish brown, well cemented, closely to widely fractured, non-weathered, hard, fine grained, cross-bedded	62	2.05E+07			984.83
			6	979.0	Sandstone, orangish brown, well cemented, closely fractured, non-weathered, hard, fine grained, cross-bedded					
			7	976.9	Sandstone, orangish brown, cemented, closely to very closely fractured, non-weathered, hard, zones of poorly cemented Sandstone	100.5	4.72E+07			974.03
			8	975.2	Conglomerate (Shale, Sandstone, Limestone), orangish brown to gray, hard, very closely fractured, well cemented, occasional coal seam	6.4	1060000			971.83
			9	972.7						
			10	969.6	Shale, gray, hard, non-weathered, poorly laminated, sandy, very closely fractured, verticle crescent bedding	245	1.56E+08			966.83
			11	968.9						
			12	966.8	Conglomerate (Shale, Sandstone, Limestone), gray, hard, very closely fractured, well cemented, non-weathered	227.5	6.95E+07			959.03
			13	964.4						
			14	964.4	Sandstone, gray, shaley, very hard, non-weathered, well cemented, closely fractured, fine grained	70.5	1.29E+07			955.03
			15	960						
			16	959.2	Shale, gray, hard, very closely fractured, non-weathered, well laminated	33.9	1.94E+07			949.03
			17	955						
			18	952.8	Limestone, gray, widely fractured, non-weathered, well cemented, very hard, fossiliferous					
			19	950						
			20	950.1	Shale, gray, limy, non-weathered, hard to very hard, abundant Limestone stringers (less than 2" thick), well laminated, closely fractured					
			21	949.03						
			22	950.1	Limestone, gray, shaley, fossiliferous, non-weathered, closely fractured, well cemented, very hard					
			23	949.03						
			24	52.8	T.D. = 52.8					

BOREHOLE REPORT - KANSAS DOT.GDT - 4/28/11 11:29 - Q:\SHARED\GINT PROJECT FILES\GINT LOGS\KYLE'S PROJECTS\118TH ST KA-1003-01.GPJ