



73-105 KA-2092-01 Southbound US-73 over Piper Creek
 1.77 miles North of US 24
 Wyandotte County
 CD 02
 N: 39.681993 E: -96.485183 (Approximate)
 SW ¼, NW ¼, NW ¼, Sect 31, T10S, R23E
 9/18/2011

KANSAS DEPARTMENT OF TRANSPORTATION



RTE./CO.	73 / Wyandotte	SOUNDING NO.	CD 02	SHEET 1 of 3	
BRIDGE STA.	178+04.74	PROJ. NO.	73-105 KA-2092-01	BRIDGE NO.	73-105-17.5 (68)
SITE NAME	SB US-73 over Piper Creek			HOLE STA.	177+23, 22.0' Lt CL
GEOLOGIST	R. Crow, P.G.	SCALE	1 inch = 5.0 feet	DATE	August 18, 2011
DRILLER	R. Vervynck	RIG TYPE	CME 55	TOP HOLE ELEV.	881.12
GW ELEV.	N/A	TOTAL DEPTH	43.0	M/B ELEV.	859.12

BOREHOLE REPORT - KANSAS DOT GDT - 4/2/12 15:59 - Q:\GEOLOGY\BRIDGE\73-105 KA-2092-01\US-73 OVER PIPER CK LOGS.GPJ

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	Mantle		880	881.1	Silty clay, brown, moist	1.2	67000		875.12
			875	873.6	Silty clay and mixed rock fragments, gravel, quartzite pebbles				
			7.5	871.6	Silty clay, "fat clay", small mixed pebbles	0.8	53900		870.12
			9.5	870		0.5	87900		865.12
			865	863.1	Silt, dark brown, moist	0.4	169000		860.12
			18.0	859.1	Shale, weathered				
			860	857.1	Shale, gray, sandy, limy, light and dark gray varves, plant fossils				
			22.0			22	3010000		853.12
			24.0						
			855						



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NQ2 Diamond	Vilas Shale Formation	2		850	Shale, gray, sandy, limy, light and dark gray varves, plant fossils	18.1	1230000		848.72
		3	36.4	845	844.7	825	2.84E+08		843.32
	4		840	Limestone, hard, gray, fossiliferous	349	1.43E+08		841.02	
	Plattsburg Limestone Formation		43.0	838.12	T.D. = 43				



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