



73-105 KA-2092-01 Southbound US-73 over Piper Creek
 1.77 miles North of US 24
 Wyandotte County
 CD 03
 N: 39.681993 E: -96.485183 (Approximate)
 SW ¼, NW ¼, NW ¼, Sect 31, T10S, R23E
 3/28/2012

KANSAS DEPARTMENT OF TRANSPORTATION



RTE./CO.	73 / Wyandotte	SOUNDING NO.	CD 03	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+14, 17.0' Lt CL
GEOLOGIST	R. Crow, P.G.	SCALE	1 inch = 5.0 feet	DATE March 28, 2012
DRILLER	R. Vervynck	RIG TYPE	CME 55	TOP HOLE ELEV. 880.82
GW ELEV.	869.8	TOTAL DEPTH	58.3	M/B ELEV. 857.02

BOREHOLE REPORT - KANSAS DOT.GDT - 4/19/12 11:02 - 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	Soil Mantle		880	880.8	Silty clay, brown, moist, gravel				
			875		Black silt, moist, gravel				
NQ2 Diamond	Vilas Shale		870	870.0	Shale, weathered				
			865	856.4	Shale, gray, limy, clayey				
			860						
			23.8	857.0		5.2	297000		853.72
			24.4	856.4					
			1	855					
			2						



KANSAS DEPARTMENT OF TRANSPORTATION

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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+14, 17.0' LI CL

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	Vilas Shale		2	850	Shale, gray, limy, clayey	6.3	510000		848.22
	Plattsburg Limestone Formation		3	845	Limestone, gray with white fossil fragments, very hard, wavy bedded	131	7.37E+07		842.52
			36.3	844.5		259	1.75E+08		838.52
			4	840		260	2.13E+08		836.62
			5	835					
	Bonner Springs		6	830	Shale, gray				
			50.0	830.8	Limestone, dark gray, fossil fragments				
			50.4	830.4	Limestone, gray, hard	246	1.52E+08		828.12
			50.8	830.0	Shale seam, gray				
			51.5	829.3	Limestone, shaly, gray, fossil fragments				
			51.6	829.2	Shale, limy, greenish-gray				
			53.3	827.5	Limestone, shaly, greenish-gray				
	53.5	827.3	Shale, greenish-gray, limy	71	2.72E+07		825.12		
	53.9	826.9	Shale, greenish-gray, limy						
			57.4	823.4	Shale, brown-maroon, clayey				
			58.3	822.52	T.D. = 58.3				



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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+14, 17.0' Lt CL

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