

SW 1/4, SW 1/4, Sec. 2, T35 S, R25 E

Cherokee County

KANSAS DEPARTMENT OF TRANSPORTATION



RTE./CO.	Cherokee	SOUNDING NO.	CH-1	SHEET 1 of 2
BRIDGE STA.	103+10: 6	PROJ. NO.	166-11 KA-1005-02	BRIDGE NO. (4000)
SITE NAME	Star Road over Spring River Drainage			HOLE STA. 103+80, 20.0' Lt CL
GEOLOGIST	T. LeSage, G.T.	SCALE	1 inch = 5.0 feet	DATE October 13, 2015
DRILLER	J. Burns	RIG TYPE	CME 55	TOP HOLE ELEV. 937.67
GW ELEV.	932.9	TOTAL DEPTH	23.0	M/B ELEV. 923.9
GPS COORDINATES 37.016488, -94.647785				

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 Stem Augers	Mantle		0.6	937.7 937.1	Silty clay, light brown, dry, some organic material Coarse chert gravel, subangular, with dry reddish brown silty clay and minor chert sand, becomes moist				
			8.0	929.7	Clay, orange brown, with minor gravel				
			13.8	923.9	Limestone, bluish gray, very hard/dense, slightly crystalline, single fracture at 17.1 along stylolite				
			18.0	919.7	Cherty limestone, very hard/dense, limestone is bluish gray, chert is bluish gray to milky white, fractures along stylolite seams, thick to massively bedded	1080.0	2.99E+08		919.97
NQ2 Diamond	Warsaw-Keokuk Fm								
						1210.0	2.94E+08		915.97
			23.0	914.67	T.D. = 23.0				



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