

NE 1/4, SE 1/4, Sec. 4, T35S, R25E

Cherokee County

1053442259

KANSAS DEPARTMENT OF TRANSPORTATION



RTE./CO.	US-166 / Cherokee	SOUNDING NO.	CH-1	SHEET	1 of 2
		PROJ. NO.	166-11 KA-1005-02	BRIDGE NO.	166-11-22.73 (130) & 166-11-22.72 (131)
SITE NAME	NB & SB US-166 over 90th Street			HOLE STA.	861+54.5 CL
GEOLOGIST	T. LeSage, G.T.	SCALE	1 inch = 5.0 feet	DATE	October 6, 2015
DRILLER	J. Burns	RIG TYPE	CME 55	TOP HOLE ELEV.	893.74
GW ELEV.	882.7	TOTAL DEPTH	22.8	M/B ELEV.	881.6
GPS COORDINATES 37.021133, -94.667613					

BOREHOLE REPORT - KANSAS DOT GDT - 11/13/15 15:16 - C:\TYSO\BRIDGES\CHEROKEE COUNTY\KA-1005-02 (US-166 X 11 BRIDGES)\(130) & (131)\GINT\ (130) & (131).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 Stem Augers	Mantle		1.6	893.7	Silty clay, lt brown to red brown, dry				
				892.1	Minor gravel with silty clay, chert gravel is multicolored, sub angular, up to 0.2' in diameter				
			8.0	885.7	Clay, with coarse chert sand and gravel, drills easier, moist, reddish brown to light brown			15	888.24
NQ2 Diamond	Warsaw-Keokuk Fm		12.1	881.6	Cherty limestone, very hard, light bluish gray, medium to thick bedded, breaks along stylolite seams, chert is bluish gray to cloudy white	795.0	2.59E+08		879.44
						347.0	1.56E+08		876.04
						860.0	2.59E+08		871.54
			22.8	870.94	T.D. = 22.8				

Box 1 of 1: 12.5' - 22.8'

KANSAS DEPARTMENT OF TRANSPORTATION



RTE./CO.	US-166 / Cherokee	SOUNDING NO.	CH-1	SHEET 2 of 2
		PROJ. NO.	166-11 KA-1005-02	BRIDGE NO. 166-11-22.73 (130) & 166-11-22.72 (131)
SITE NAME	NB & SB US-166 over 90th Street			HOLE STA. 861+54.5 CL

BOREHOLE REPORT - KANSAS DOT GDT - 11/13/15 15-16 - C:\ITYSON\BRIDGES\CHEROKEE COUNTY\KA-1005-02 (US-166 X 11 BRIDGES)\(130) & (131)\GINT\130) & (131).GPJ

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