

SW 1/4, NW 1/4, Sec. 5, T35S, R25E

Cherokee County

1053442285

KANSAS DEPARTMENT OF TRANSPORTATION



RTE./CO.	US-166 / Cherokee	SOUNDING NO.	CH-1	SHEET 1 of 2
BRIDGE STA.	762+60.69: 4	PROJ. NO.	166-11 KA-1005-02	BRIDGE NO. 166-11-20.84 (125)
SITE NAME	Re-aligned US-166 over US-400			HOLE STA. 112+47, 4.3' Lt CL
GEOLOGIST	T. LeSage, G.T.	SCALE	1 inch = 5.0 feet	DATE October 14, 2015
DRILLER	J. Burns	RIG TYPE	CME 55	TOP HOLE ELEV. 853.83
GW ELEV.	N/A	TOTAL DEPTH	16.3	M/B ELEV. 840.1
GPS COORDINATES 37.024089, -94.7005				

Bit Type	GEOLOGIC NAME	STRATIGRAPHIC COLUMN	DEPTH	ELEVATION	CLASSIFICATION OF MATERIALS DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION (TSF)	ELASTIC MODULUS (PSF)	N60 COUNT (SPT)	ELEVATION
NQ2 Diamond	Warsaw-Keokuk Fm		0.6	853.8	Silty clay, light brown to reddish brown, dry				
				853.2	Silty clay, light brown to reddish brown, dry, minor gravel				
			5.0	848.8	Gravel, medium heavy to heavy, with reddish brown silty clay				
			6.5	847.3	Silty clay, with minor gravel, silty clay is yellow-brown, slightly moist, grades to reddish brown and more clayey with depth				
			13.7	840.1	Chert, very fractured and hard, dark bluish gray to milky white				
			16.3	837.53	T.D. = 16.3				
Box 1/1: 14.5 - 16.3'									

BOREHOLE REPORT - KANSAS DOT GDT - 10/16/15 14:16 - C:\CITYSON\BRIDGES\CHEROKEE COUNTY\KA-1005-02 (US-166 X 11 BRIDGES)\125\GINTV125.GPJ



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					<table><tr><th>Core</th><th>Depth</th><th>Elev.</th><th>Cut</th><th>Rec</th><th>Rec %</th><th>RQD</th></tr><tr><td>1</td><td>13.7</td><td>840.13</td><td>0.8</td><td>0.5</td><td>62</td><td>0</td></tr><tr><td>2</td><td>14.5</td><td>839.33</td><td>1.8</td><td>0.8</td><td>44</td><td>0</td></tr><tr><td>Total</td><td>16.3</td><td>837.53</td><td>2.6</td><td>1.3</td><td>50</td><td>0</td></tr></table>	Core	Depth	Elev.	Cut	Rec	Rec %	RQD	1	13.7	840.13	0.8	0.5	62	0	2	14.5	839.33	1.8	0.8	44	0	Total	16.3	837.53	2.6	1.3	50	0			
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