NE¼, SW¼, Sec. 2, T35S, R25E Cherokee County

✓ 10534133486

KANSAS DEPARTMENT OF TRANSPORTATION

Kansas Department of Transportation

RTE./CO.	K26 / Cherokee	SOUNDING NO.	CH-1	SHEET 1 of 2	
BRIDGE STA.	935+18.24: 6.2' Rt	PROJ. NO.	166-11 KA-1005-02	BRIDGE NO.	26-11-00.07 (132)
SITE NAME	K26 over US-166			HOLE STA.	1515+20, 4.0' Rt 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.	975.98
GW ELEV.	971.7	TOTAL DEPTH	21.5	M/B ELEV.	963.2
GPS COORDINATES	37.020499, -94.642526				

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			976.0	Silty clay, light brown, dry, with organic material				
			1.5	974.5	Silty clay, reddish brown, minor gravel				
			3.0	973.0	Silty clay, reddish brown with medium gravel and minor coarse chert sand, dry, becomes slightly moist ▼				
			6.0	970.0	Silty clay, orange-brown, slighly moist, minor gravel				
			9.5	966.5	Heavy gravel				
			10.5	965.5	Clay, reddish brown to orange-brown, minor gravel, heavy gravel towards bottom of zone				
NQ2 Diamond	Warsaw-Keokuk Fm	1	12.6	963.4	Cherty limestone, milky white to bluish gray, mostly chert, highly fractured, with slightly friable white weathered chert zones				
		2							
			21.5	954.48	T.D. = 21.5				

For 11:16-21.5

BOREHOLE REPORT - KANSAS DOT.GDT - 10/15/15 13:57 - C:\TYSON\BRIDGES\CHEROKEE COUNTY\KA-1005-02 (US-166 X 11 BRIDGES)\(132)\GINT\132.GPJ

KANSAS DEPARTMENT OF TRANSPORTATION

Kansas Department of Transportation

RTE./CO. K26 / Cherokee	SOUNDING NO. CH-1	SHEET 2 of 2	
BRIDGE STA. 935+18.24: 6.2' Rt	PROJ. NO. 166-11 KA-1005-02	BRIDGE NO. 26-11-00.07 (132)	
SITE NAME K26 over US-166		HOLE STA. 1515+20, 4.0' Rt CL	

Bit Type	GEOLOGIC NAME	STRATIGRAPHIC COLUMN	DEPTH	ELEVATION	CLASSIFICATION OF MATERIALS DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION (TSF)	ELASTIC MODULUS (PSF)	N60 COUNT (SPT)	ELEVATION

Core	Depth	Elev.	Cut	Rec	Rec %	RQD
1	12.6	963.38	4.8	3.0	63	13
2	17.4	958.58	4.1	3.0	73	0
Total	**21.5**	**954.48**	**8.9**	**6.0**	**67**	

BOREHOLE REPORT - KANSAS DOT.GDT - 10/15/15 13:57 - C:\TYSONBRIDGES\CHEROKEE COUNTY\KA-1005-02 (US-166 X 11 BRIDGES)\(132)\GINT\132.GPJ