

24-89 K-7431-01

US-24 over UP Railroad

Bridge No. 24-89-17.23(283)EB

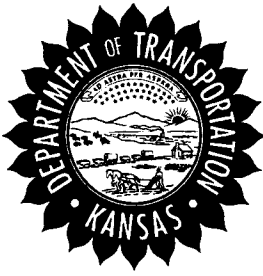
Shawnee County

CD 04

N:39.091597 E:-95.748754(Approx.)

SE 1/4, NW 1/4, SE 1/4, Section 16, T11S, R15E

KANSAS DEPARTMENT OF TRANSPORTATION



RTE./CO.	US-24-Shawnee	SOUNDING NO.	CD 4	SHEET 1 of 4
BRIDGE STA.	122+02.5	PROJ. NO.	K-7431-01	BRIDGE NO. 24-89-17.22(282)WB
SITE NAME	US-24 over UP Railroad			HOLE STA. 120+77.5, 64.0' RI CL
GEOLOGIST	R. Crow	SCALE	1 inch = 5.0 feet	DATE
DRILLER	R. Hinderliter	RIG TYPE	CME 75	TOP HOLE ELEV.
GW ELEV.	N/A	TOTAL DEPTH	93.1	M/B ELEV.
				897.02
				834.12

Bit Type	GEOLOGIC NAME	STRATIGRAPHIC COLUMN	DEPTH	ELEVATION	CLASSIFICATION OF MATERIALS DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION (TSF)	ELASTIC MODULUS (PSF)	N60 COUNT (SPT)	ELEVATION
		Alluvium		897.0	Silt and fine sand, tan/brown				
		Flush Joint Casing		895					
				890					
				885					
				880					
			20.0	877.0	Sand, tan, wet				
				875					
				870					

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KANSAS DEPARTMENT OF TRANSPORTATION

RTE./CO.	US-24-Shawnee	SOUNDING NO.	CD 4	SHEET 3 of 4
BRIDGE STA.	122+02.5	PROJ. NO.	K-7431-01	BRIDGE NO. 24-89-17.22(282)WB
SITE NAME	US-24 over UP Railroad			HOLE STA. 120+77.5, 64.0' Rt CL

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Bit Type	GEOLOGIC NAME	STRATIGRAPHIC COLUMN	DEPTH	ELEVATION	CLASSIFICATION OF MATERIALS DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION (TSF)	ELASTIC MODULUS (PSF)	N60 COUNT (SPT)	ELEVATION
Diamond	Hot Shale		66.3	830	830.7	Shale, gray, limy Shale, black, fissile	363	1.96E+08	830.52
			66.7	830	830.3				
	Du Bois Limestone		68.8		828.2	Limestone, fossiliferous	118	2.97E+07	826.32
			69.5		827.5	Shale, very limy, gray			
	Sheldon Ls		72.2	825	824.8	Limestone, gray	670	3.26E+08	821.72
			72.5		824.5	Shale, gray Turner Creek Shale Member			
			73.5		823.6	Limestone, white, hard			
	Jones Pt Sh		75.5	820	821.6	Shale, clayey, expansive, shear planes	251	1.13E+08	816.92
			77.3		819.7	Limestone, gray, hard			
	Curzon Limestone Member		78.1		818.9	Limestone, gray, hard, shaly	324.5	1.79E+08	810.42
			80.1	815	816.9	Limestone, hard, gray			
			83.1		813.9	Limestone, hard, gray, fossiliferous, slightly shaly			
	Iowa Point Shale		85.7		811.3	Limestone, slightly shaly to shaly, gray	34.5	6300000	808.02
			86.6	810	810.4	Shale, gray, sandy, limy, carboniferous			
Hartford Limestone		88.1		808.9	Limestone, shaly, gray, bioturbated	34.5	6300000	808.02	
		88.7		808.3	Shale, limy and gray at top becoming dark gray and green and clayey at bottom				
			90.5	805	806.5	Limestone, light gray, fine, fossiliferous, hard			
			93.1		803.92	T.D. = 93.1			



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