



10-23 K-8392-04 WB K-10 Over E 1600 Rd.

Br. No. 10-23-11.55 (11.55)(M)

Douglas Co.

CD-1

N:38.923387 E-95.204983 (approx.)

NE ¼, SE ¼, NE ¼, S17, T13S, R20E

# KANSAS DEPARTMENT OF TRANSPORTATION



RTE./CO.	K-10-Douglas	SOUNDING NO.	CD 1 - N	SHEET 1 of 3
BRIDGE STA.	806+75.21	PROJ. NO.	10-23 K-8392-04	BRIDGE NO. 11.55 (175), 11.56 (176)
SITE NAME	K-10 over E 1600 Rd			HOLE STA. 806+89, 28.5' Rt CL
GEOLOGIST	G. Worthington, G.A.	SCALE	1 inch = 10.0 feet	DATE February 23, 2011
DRILLER	J. Burns	RIG TYPE	CME 75	TOP HOLE ELEV. 815.3
GW ELEV.	806.3	TOTAL DEPTH	73.4	M/B ELEV. 775.6

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 Augers	Soil Mantle			815	815.3	Clay, silty, dark-brown to bluish-gray, dry-moist					
				810							
				805							
				800							
			17.0	798.3	Clay, silty, soft, yellow-brown, moist						
	Stranger Formation		23.0	792.3	Silt, clayey, soft, olive to pale green, moist						
				790							
				785							
			36.0	779.3	Silt, little or no clay, some gravel, wet						
				780							
	39.7	775.6	Weathered shale, blue-gray								
	42.6	772.7	Sandstone, shaley blue-gray	3.37	326000		773.1				
	43.6	771.7	Shale, sandy, blue-gray								
	44.6	770.7	Shale, blue-gray								
	45.6	769.7	Sandstone, shaley, bluish green-gray	174.5	6.04E+07		768.1				
	49.5	765.8	Shale, blue-gray	13	1200000		765.0				
	51.3	764.0	Sandstone, shaley, greenish-gray	155.5	4.07E+07		761.0				

BOREHOLE REPORT - KANSAS DOT.GDT - 7/19/11 13:57 - C:\USERS\KYLE\DESKTOP\PROJECTS\K-8392-04 SOUTH LAWRENCE TRAFFICWAY\BR.M.806+89.66' LT. CL CD.GPJ



# KANSAS DEPARTMENT OF TRANSPORTATION

RTE./CO.	K-10-Douglas	SOUNDING NO.	CD 1 - N	SHEET 2 of 3
BRIDGE STA.	806+75.21	PROJ. NO.	10-23 K-8392-04	BRIDGE NO.11.55 (175), 11.56 (176)
SITE NAME	K-10 over E 1600 Rd			HOLE STA. 806+89, 28.5' 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	
NC2 Diamond	Stranger Formation		5	755		Sandstone, shaley, greenish-gray	178	6.81E+07		753.2
				63.1	752.2	Basal conglomerate, limy sandstone matrix, fossiliferous				
			6	750	749.9	Sandstone, limy, greenish-gray	755	1.97E+08		749.2
				66.8	748.5	Basal conglomerate				
				67.4	747.9	Shale, greenish-gray				
				68.6	746.7	Shale, limy, greenish-gray	307.5	1.09E+08		744.7
				70.0	745.3	Limestone, shaley, gray				
				72.4	742.9	Shale, limy, gray, hard				
				73.4	741.9	T.D. = 73.4				