

10-23 K-8392-04 EB K-10 over North Canal

Br.No.10-23-12.45 (178) (Q)

Douglas Co.

CD 01

N:38.924151 E:-95188073 (Approx)

NE ¼ SE ¼, NE ¼, S16, T13S, R20E

KANSAS DEPARTMENT OF TRANSPORTATION



RTE./CO.	10-Douglas	SOUNDING NO.	CD 1	SHEET 1 of 3
		PROJ. NO.	10-23 K-8392-04	BRIDGE NO. 10-23-12.45 (178)
SITE NAME	South Lawrence Trafficway - Bridge P/Q			HOLE STA. 853+56, 24.0' Rt CL
GEOLOGIST	K. Halverson, G.A.	SCALE	1 inch = 10.0 feet	DATE November 2, 2011
DRILLER	R. Vervynck	RIG TYPE	CME 75	TOP HOLE ELEV. 810.25
GW ELEV.	801.1	TOTAL DEPTH	72.3	M/B ELEV. 769.75

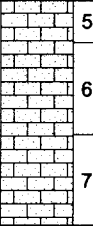
BOREHOLE REPORT - KANSAS DOT.GDT - 11/22/11 16:43 - C:\USERS\GALLENWDESK\TOP\SI.T 10-23 K-8392-04\SLT BRDG PIK-8392-04 PA.PQ.GPJ

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 Augers	Soil Mantle/Alluvium			810	810.3	Clay, silty, dark-brown, soft to firm, moist, organics				
			4.5	805	805.8	Clay, silty, dark-brown, occasional subrounded limestone gravel, firm, moist				
			9.3	800	801.0	Clay, silty, dark-brown, soft, moist	0.487	262000		799.85
			12.0	795	798.3	Clay, silty, grayish-brown to blue-gray, mottled w/ brown, firm, moist, high swell				
			19.0	790	791.3	Clay, silty, blue-gray, mottled w/ brown, firm to stiff, wet, high swell	0.224	43000		789.85
			28.0	785	782.3	Clay, silty, brown, firm to stiff, wet, high swell				
			28.4	780	781.9	Sand, fine-grained, clayey, brown, dense to medium dense, wet				
			40.0	775	770.3	Sand, fine-grained, gravel, brown, dense, wet				
			40.5	770	769.8	Shale, sandy, hard				
			41.5	765	768.8	Sandstone, fine-grained, gray, well-cemented, very closely fractured, shale seams or partings (less than 1" thick)				
NQ2 Diamond	Stranger Formation		2	765	764.4	Shale, sandy, gray, hard, abundant very thin sandstone stringers, very closely fractured	3.37	192000		760.45
			3	760						
			4	755	755.6	Sandstone, fine-grained, gray, well-cemented, hard to very hard, very closely fractured	16.15	1060000		756.25
			5							
			5							



KANSAS DEPARTMENT OF TRANSPORTATION

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SITE NAME	South Lawrence Trafficway - Bridge P/Q			HOLE STA. 853+56, 24.0' 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
NC2 Diamond	Stranger Formation		5 6 7	750 745 740	Sandstone, fine-grained, gray, well-cemented, hard to very hard, very closely fractured	119.5	5.3E+07		746.55
			72.3	737.95	T.D. = 72.3				

BOREHOLE REPORT - KANSAS DOT.GDT - 11/22/11 16:43 - C:\USERS\GALEN\DESKTOP\SLT 10-23 K-8392-04\SLT BRDG P1K-8392-04 PA PQ.GPJ