





# KANSAS DEPARTMENT OF TRANSPORTATION

RTE/CO. 435-46	SOUNDING NO. 1	SHEET 1 OF 2
BRIDGE STA 154576.938	PROJ. NO. K-8262-01	BRIDGE NO. 435-46-428(2)
SITE NAME Antioch bridge over I-435		HOLE STA. 5+033.5, 27.7m Lt @ Antioch Rd.
GEOLOGIST Rocky Crow	SCALE: 1:100 (10mm = 1 Meter)	DATE 8/20/2003
DRILLER Rob Vervynck	RIG TYPE B-61	TOP HOLE ELEV. 276.332
GROUNDWATER ELEV 272.732	TOTAL DEPTH 16.95m	M/B ELEV. 271.76

BIT TYPE	GEOLOGIC NAME	STRATIGRAPHIC COLUMN	DEPTH m	ELEVATION m	CLASSIFICATION OF MATERIALS DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION	STANDARD PENETRATION OR CASING DRIVE	
							BLOWS	ELEV
					276.33 Ground line			
				276	Silty clay, Brown, tan to grey.			276
				275				275
				274		1.95 180 kPa		274.38
				273				274
				272		3.50 200 kPa		272.83
			4.57	272	271.76			272
				271	Limestone - Light grey, Calcite filled voids, Fossiliferous, various shale seams.	5.27 55900 kPa		271.06
			6.13	270	270.20	5.97 119000 kPa		270.36
			6.37	270	269.96 Shale - Grey, limy, slightly wavy bedded.			270
			6.80	269	269.53 Limestone - Grey, firm, fossiliferous at base.			269.89
				269	Shale - Grey, slightly wavy bedded, sandy, argillaceous, calcareous.	7.04 1000 kPa		269
				268				268
			9.23	267	267.00	8.84 3000 kPa		267.49
				266	Shale - Grey, lamellar bedding, argillaceous, calcareous.	10.03 1600 kPa		266.80
				265				265
			12.22	264	264.04	11.70 1200 kPa		264.63
				263	Shale - Green grey, lamellar, argillaceous, slightly calcareous, bottom 0.3m firm and limy.			263
			13.26	263	263.07	13.23		263.10
				262	Limestone - Light grey, wavy bedded, abundant seams, broken.	13.81 1800 kPa		262.52
				261		14.75 24400 kPa		261.58
				261		15.24 5000 kPa		261.09

SOUNDING NO. 1		PROJECT NO. K-8862-01		SHEET 2 OF 2				
DATE 8/20/2003		RTE./CO. 435-216		TOTAL DEPTH 16.95		THE 276.332		
BIT TYPE	GEOLOGIC NAME	STRATIGRAPHIC COLUMN	DEPTH	ELEVATION	CLASSIFICATION OF MATERIALS DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION	STANDARD PENETRATION OR CASING DRIVE	
							BLOWS	ELEV
			15.82	260.51	Limestone - Brown cont.	15.76 65000 Kpa	260.86	
			10.37	260	Shale - Grey lamellar bedding, bottom intact.	15.64 54500 Kpa	260.69	
			10.95	259.96	Shale - green-grey, argillaceous	16.12 34000 Kpa	260.51	
				259.88	SIS	3300 Kpa	260.26	
				259				
				258				