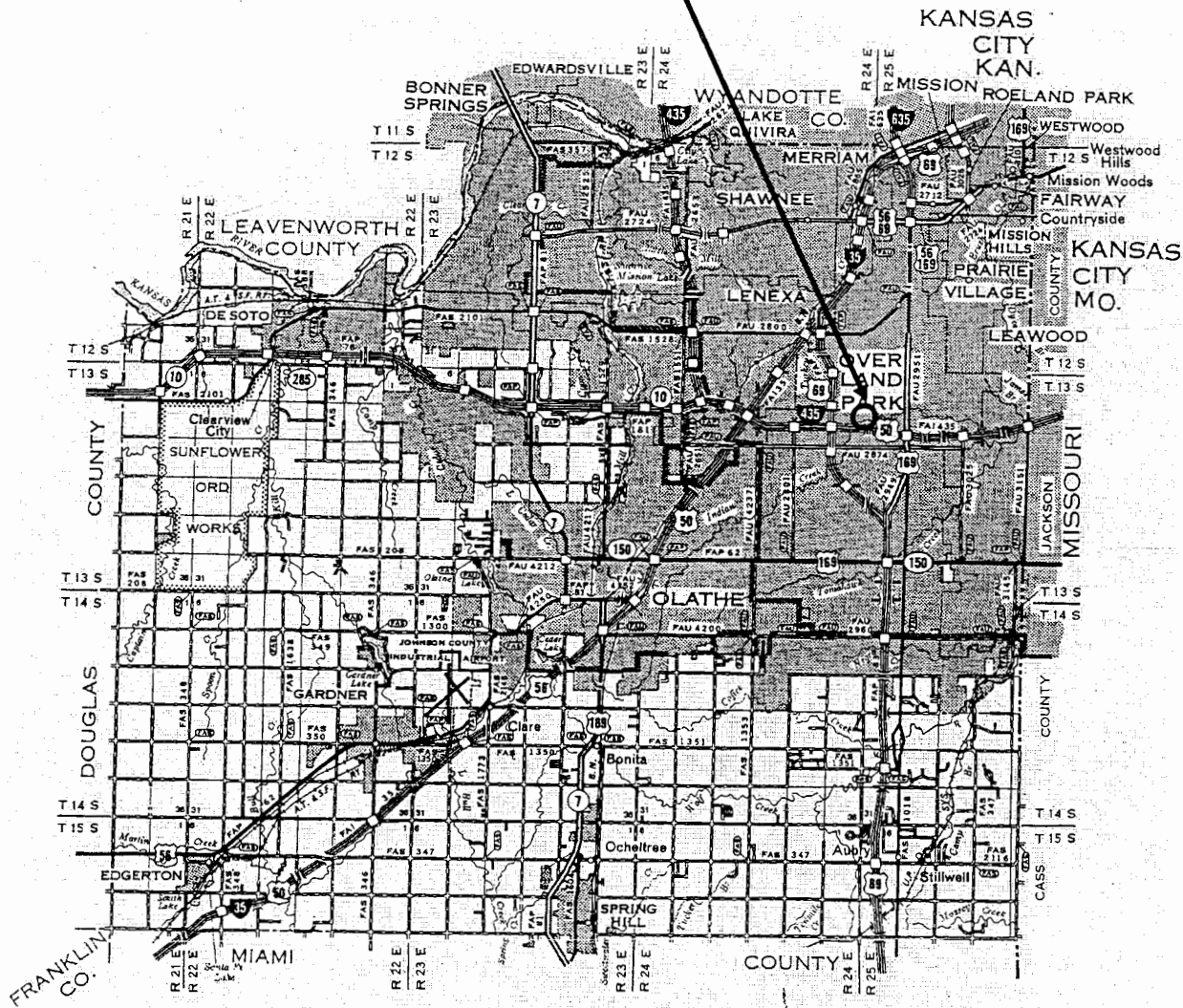
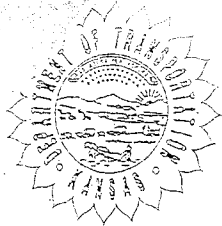


Project 435-46 K-8262-01
Ramp Antioch-69 N over Ramp 435W-69N
Bridge No. 435-46-04.47 (347)

12-13-24E

E/2 E/2





KANSAS DEPARTMENT OF TRANSPORTATION

RTE/CO. 435/46	SOUNDING NO.	SHEET OF 1 of 2
BRIDGE STA 15+286.0	PROJ. NO. 435-46-K-8262-01	BRIDGE NO. 347
SITE NAME Ramp Antioch - 69 U over Ramp 435W - 69U	HOLE STA 15+392.10 m at B ramp	DATE 1-26-04
GEOLOGIST David Schmidt	SCALE: 1:100 (10mm = 1 Meter)	TOP HOLE ELEV. 272.689
DRILLER Rob Vermeek	RIG TYPE B-61	M/B ELEV. 272.079
GROUNDWATER ELEV 5.79m	TOTAL DEPTH 17.07 m	

BIT TYPE	GEOLOGIC NAME	STRATIGRAPHIC COLUMN	DEPTH	ELEVATION	CLASSIFICATION OF MATERIALS DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION	STANDARD PENETRATION OR GASING DRIVE	
							BLOWS	ELEV
			0.61	272	272.689 Silty Clay	kPa		
				271	Limestone, light grey, wavy bedded, few shale seams, fossil clasts, firm especially last 0.3 m of the base	3983.0	271.63	272
			2.41	270	270.279	28075.5	270.65	271
				269	Shale, grey, slightly wavy bedded, calcareous, limy, contains pebbly limestone at depth 6.30.	572.3	270.61	270
				268		9080.4	269.25	269
				267		6453.5	268.73	268
				266		6239.7	267.57	267
			6.71	265	265.979	2275	266.87	266
				264	Shale, blue-green, pebbly, slightly calcareous,	786.0	266.51	265
			8.32	263	264.369	675.7	265.29	264
				262	Limestone, light grey, firm, interbedded shale seams, wavy bedded, fossiliferous; brachiopods and crinoids.	9790.6	263.70	263
			11.31	261	261.379	26165.8	262.76	262
				260	Shale, olive-grey to grey, slightly wavy bedded, calcareous.	20105.1	261.93	261
			12.37	259	260.319	6315.6	261.05	260
				258	Limestone, rusted-light grey, fossiliferous, slightly wavy bedded.	248.2	260.57	259
			14.02	257	258.169	29622.7	259.74	258
				256	Limestone, light grey, few shale seams, firm, some cavities with mineral growth.	29585.4	258.82	257
				255		27317.0	258.00	256
				254		46381.0	257.24	255

SOUNDING NO.		PROJECT NO.		SHEET OF 2 of 2				
DATE 1-26-04		RTE./CO. 435/46		TOTAL DEPTH 17.07m				
THE 272.689								
BIT TYPE	GEOLOGIC NAME	STRATIGRAPHIC COLUMN	DEPTH	ELEVATION	CLASSIFICATION OF MATERIALS DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION	STANDARD PENETRATION OR CASING DRIVE	
							BLOWS	ELEV
Mud Stick Man			15.85	256.889	Shale, grey, slightly wavy bedded.	5377.9	256.23	256
			17.07	255.619 S.I.S		5502.0	255.71	
			255					255
			254					254