

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET	SHEET NO. 8 OF 8 SHEETS
S.B.I. 5 F.A. 301	23BR-2	JO DAVIESS	30	16	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-			

B - 1

ILLINOIS DEPARTMENT OF TRANSPORTATION District Two Materials Wards Grove Twp.; SW 1/4; Sec. 5; T28N, R5E BM: CL Bridge @ CL Roadway = 100.0 PROJECT P-92-045-99 BRIDGE US 20 over Yellow Creek Trib., 1.3 miles east of IL 78 Date 10/01/96 Sh. 1 of 1		Units English Bridge Foundation Boring Log	
ROUTE FA 301		Bored By J. Robertson	
SEC. 23 BR-2		STA. 123 + 25	
COUNTY Jo Daviess		Checked By T. Bratt	
Boring No. B-1		Surf Wat El. 91.3	
Sta 123 + 88.5		Grndwater El. at Compl 89.3	
O/S 9.5' LT EXIST'G		Streambed - 90.2	
DEPTH	N	Qu t/sf	W %
Ground Surface 100.6	0		
Asphalt Pavement			
MEDIUM tan/black SILTY CLAY		0.7	20
VERY STIFF Same as above	3 5	2.1 B	23
STIFF gray/black SILTY CLAY with SAND lens	2 4 5	1.5 P	27
STIFF Same as above	1 2 4	1.5 P	24
First encounter V MEDIUM gray SAND & GRAVEL	4 10 12		
MEDIUM gray SILTY CLAY	2 3 13	0.8 B	26
VERY DENSE gray weathered LIMESTONE	6 17 35		
VERY DENSE Same as above		100/3" PEN	
Auger refusal END OF BORING			

B - 2

ILLINOIS DEPARTMENT OF TRANSPORTATION District Two Materials Wards Grove Twp.; SW 1/4; Sec. 5; T28N, R5E BM: CL Bridge @ CL Roadway = 100.0 PROJECT P-92-045-99 BRIDGE US 20 over Yellow Creek Trib., 1.3 miles east of IL 78 Date 10/01/96 Sh. 1 of 1		Units English Bridge Foundation Boring Log	
ROUTE FA 301		Bored By J. Robertson	
SEC. 23 BR-2		STA. 123 + 25	
COUNTY Jo Daviess		Checked By T. Bratt	
Boring No. B-2		Surf Wat El. 91.3	
Sta 123 + 84		Grndwater El. at Compl 92.2	
O/S 9.5' LT EXIST'G		Streambed - 90.2	
DEPTH	N	Qu t/sf	W %
Ground Surface 99.7	0		
Asphalt Pavement & Concrete			
SOFT tan SILTY LOAM		0.5	19
SOFT black SILTY LOAM	3 4	0.4 B	37
SOFT gray/black SILTY CLAY	1 2 4	0.4 B	27
SOFT gray SILTY LOAM with SAND lens	1 2 3	0.4 B	25
First encounter V LOOSE gray SAND & GRAVEL	4 5 6		
MEDIUM well-cemented gray SAND & GRAVEL with LIMESTONE fragments	7 20		
VERY DENSE gray weathered LIMESTONE		100/6" PEN	
VERY DENSE Same as above		100/4" PEN	
Auger refusal END OF BORING			

LEGEND

- N Standard Penetration Test-Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with 140# hammer falling 30".
- Qu Unconfined Compressive Strength - t/sf.
- W% Water Content - percentage of dry weight - %.

Type Failure

- B Bulge Failure
- S Shear Failure
- E Estimated Value
- P Penetrometer

DESIGNED L.C.M.	20
CHECKED S.D.K.	EXAMINED
DRAWN T.L.N.	PASSED
CHECKED S.D.K.	ENGINEER OF BRIDGES AND STRUCTURES

Notes: For location of borings, see General Plan & Elevation sheet No. 1.
Offsets are given from @ U.S. Route 20.

SOIL BORINGS
U.S. 20 OVER YELLOW CREEK TRIBUTARY
FA ROUTE 301 SECTION 23BR-2
JO DAVIESS COUNTY
STATION 123+36.00
STRUCTURE NUMBER 043-2006

