STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation
Division of Highways
District 6

SOIL BORING LOG

Page 1 of 2
Date 2/14/79

ROUTE FAP 614 DESCRIPTION IL 78 over Big Lake LOGGED BY D. Bruns

SECTION 144 (B-1) LOCATION SE 14, SEC. 30, TWP. 19N, RNG. 9W, 3 PM

COUNTY Cass DRILLING METHOD HSA HAMMER TYPE 140# Manual

STRUCT. NO. 009-0006
Station 935+35

BORING NO. 1979-3 N. Abut
Station 935+34
Offset 30.00 Lt
Ground Surface Elev. 451.6 ft.

Surface Water Elev. No Data
Stream Bed Elev. No Data

Groundwater Elev.:
▽ First Encounter No Encounter
▽ Upon Completion No Data
▼ After Hrs. No Data

DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Gray V. Moist SILTY CLAY			
5	14	1.3 B	23
10	15	1.6 P	20
Gray Moist CLAY 440.60	9	1.0 S	22
15			
Gray Wet Fine SAND 440.60	13		
Gray Wet Fine SAND 435.60	9		
20			
Gray Wet Fine SAND 430.10	13		
25			
30			

DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Gray Wet Fine SAND (continued)			
Gray Wet Med. to Coarse SAND 421.10			
35	9		
Gray Wet Med. to Coarse SAND 416.60	16		
40	26		
45	21		
50	26		
421.60	40		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
Abbreviations W.O.H. – Sampler Advanced By Weight of Hammer, W.O.P. – Advanced by Weight of Pipe, B.S. – Before Seating
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-80)

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STRUCT. NO. 009-0006
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BORING NO. 1979-3 N. Abut
Station 935+34
Offset 30.00 Lt
Ground Surface Elev. 451.6 ft.

Surface Water Elev. No Data
Stream Bed Elev. No Data

Groundwater Elev.:
▽ First Encounter No Encounter
▽ Upon Completion No Data
▼ After Hrs. No Data

DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Brown Wet Fine SAND			
35	35		
Brown Wet Fine SAND and GRAVEL 406.60	45		
40	64		
45	75		
Boring Complete 400.10 Offset Adjusted to Current Proposed Center Line			
50			

Surface Water Elev.	No Data
Stream Bed Elev.	No Data
Groundwater Elev.:	
▽ First Encounter	No Encounter
▽ Upon Completion	No Data
▼ After Hrs.	No Data

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
Abbreviations W.O.H. – Sampler Advanced By Weight of Hammer, W.O.P. – Advanced by Weight of Pipe, B.S. – Before Seating
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BORINGS (Sheet 3 of 3)
F.A.P. 614 (IL 78) OVER
SANGAMON RIVER OVERFLOW
SECTION 144 (B-1)
CASS COUNTY
STA. 935+35.00
STRUCTURE NUMBER 009-2509

PROFESSIONAL DESIGN FIRM LICENSE #184-001084

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JOB NO. 07S2026
DATE 03/27/09
SHEET NO. 4
4 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
614	144(B-1)	Cass	351	226
		CONTRACT NO. 72A76		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

LAYOUT	Rod	02-26-09
DRAWN	Rod	02-26-09
REVIEWED	TEH	02-26-09

Mar-31-2009 08:05:40AM
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