

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation
Division of Highways
District Seven Materials

SOIL BORING LOG

Page 1 of 2
Date 7/20/98

ROUTE FAP 857 (IL 14) DESCRIPTION Fox River LOGGED BY D. Lux

SECTION 10IBR-6 LOCATION NW 14, SEC. 29, TWP. 4 S, RING. 14 E, 3 PM

COUNTY White DRILLING METHOD Solid stem auger HAMMER TYPE Automatic

STRUCT. NO. 097-0031
Station 174+14.21

BORING NO. 5
Station 171+58.53
Offset 6.90ft Lt
Ground Surface Elev. 388.81 ft

DEPTH (ft)	DESCRIPTION	DR	BL	UC	MO	Surface Water Elev. ft	Stream Bed Elev. ft	Groundwater Elev. ft	First Encounter Upon Completion After Hrs.	DR	BL	UC	MO
0	Bituminous surface and concrete bridge deck.					NA	NA						
0	Air.												
2	Air. (continued)												
2	Soft to medium, wet, gray marbled brown, CLAY w/hair roots.		0.5										
25	Very soft, wet, gray, CLAY w/ organic odor, hair roots and small roots.		0.2										
30	Very loose, water bearing, fine grained, gray, SANDY LOAM to SAND w/clay lenses, 8% passing #200 sieve.		0										
35	Very loose, water bearing, fine grained, gray, SAND w/clay lenses, wood and shells.		2										
35	Loose, water bearing, brown, mixture of GRAVEL, SAND and CLAY w/sea shells, 8% passing #200 sieve.		9										
38	Loose, water bearing, brown, SAND w/small amounts of gravel, 4% passing #200 sieve.		9										
40													

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T208)
BBS, from 137 (Rev. 8-99)

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0	Loose, water bearing, brown, SAND w/small amounts of gravel, 4% passing #200 sieve. (continued)												
45	Could not retrieve samples - caving hole.												
65	Could not retrieve samples - caving hole. Augered to apparent 100 blow count material at elevation 317.41. Estimated gray, weathered, CLAY SHALE.												
70	Extent of exploration.												
80													

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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STRUCT. NO. 097-0031
Station 174+14.21

BORING NO. 6
Station 173+28.26
Offset 9.20ft Lt
Ground Surface Elev. 387.01 ft

DEPTH (ft)	DESCRIPTION	DR	BL	UC	MO	Surface Water Elev. ft	Stream Bed Elev. ft	Groundwater Elev. ft	First Encounter Upon Completion After Hrs.	DR	BL	UC	MO
0	Bituminous surface and concrete bridge deck.					NA	NA						
0	Air.												
5	Medium, damp to very damp, brown, CLAY.												
5	Very soft, wet, brown with gray streaks, SILTY CLAY.		0.6										
10	Soft, wet, brown with gray and red streaks and black specks, CLAY.		0.3										
15	Very loose, water bearing, dark gray, fine grained, SAND and CLAY, highly organic.		1										
18	Very loose, water bearing, fine grained, brown, SAND w/slight organic odor, 6% passing #200 sieve.		1										
20													

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DEPTH (ft)	DESCRIPTION	DR	BL	UC	MO	Surface Water Elev. ft	Stream Bed Elev. ft	Groundwater Elev. ft	First Encounter Upon Completion After Hrs.	DR	BL	UC	MO
9	Loose, water bearing, brown, SAND w/gravel, 5% passing #200 sieve.												
12	Medium, water bearing, SAND w gravel.												
45	Could not retrieve samples - caving hole.												
65	Could not retrieve samples - caving hole. Augered to apparent 100 blow count material at elevation 316.51. Estimated gray, weathered, CLAY SHALE.												
70	Extent of exploration.												
80													

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T208)
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BORING DETAILS
F.A.P. RT. 857 SEC. 10IBR-6
WHITE COUNTY
STATION 171+58.50
STRUCTURE NO. 097-0071