Illinois Department of Transportation
Division of Highways
District 5

SOIL BORING LOG

Page 1 of 1

Date 10/12/76

ROUTE FAP 662 (IL 4) DESCRIPTION Bridge over Polecat Creek LOGGED BY D. Bruun

SECTION H(RS-10), B-2 LOCATION NW 1/4, SEC. 7, TWP. 14N, RNG. 5W, 3 PM

COUNTY Sangamon DRILLING METHOD HAMMER TYPE

STRUCT. NO. 084-0172
Station
BORING NO. 1 S. Abutment
Station 68+79
Offset 28.0ft Lt
Ground Surface Elev. 573.7 ft

Surface Water Elev. ft
Stream Bed Elev. ft
Groundwater Elev.:
First Encounter 562.7 ft
Upon Completion ft
After 24 Hrs. 571.2 ft

Description	Elev.	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Black Moist SILTY CLAY					
			5	0.7 B	29
		-5			
			6	0.9 B	30
Gray					
			4	0.7 B	28
	563.70	-10			
Gray and Brown V. Moist SILTY CLAY LOAM					
Free Water					
			4	0.6 B	31
	560.70				
Gray Wet SANDY LOAM					
			4		18
	558.70	-15			
Gray Wet Med SAND w/ some Gravel					
			7		
	555.70				
Brown and Gray V. Moist CLAY LOAM (Till)	554.70				18
Gray Damp SHALE			28		
		-20			
Gray Damp SHALE *(continued)*					
				100 /3"	
	549.70			100 /2"	
Boring Complete		-26			
		-30			
		-35			
		-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. 8-99)

File Name S:\COLS\GINT FILES\SANGAMON\084-0521.GPJ Date Time Template DITEMPLT.GDT Date Printed 9/15/08
Latitude Longitude Datum NAD83 Job Number D96-304-07

Illinois Department of Transportation
Division of Highways
District 6

SOIL BORING LOG

Page 1 of 2

Date 4/30/08

ROUTE FAP 662 (IL 4) DESCRIPTION Bridge over Polecat Creek LOGGED BY M. Tappan

SECTION H(RS-10), B-2 LOCATION NW 1/4, SEC. 7, TWP. 14N, RNG. 5W, 3 PM

COUNTY Sangamon DRILLING METHOD HSA HAMMER TYPE 140# Auto

STRUCT. NO. 084-0521
Station
BORING NO. 2 S. Pier
Station 68+61
Offset 34.0ft Lt
Ground Surface Elev. 572.6 ft

Surface Water Elev. 569.9 ft
Stream Bed Elev. 568.9 ft
Groundwater Elev.:
First Encounter no encounter ft
Upon Completion Cored ft
After 13 Days Hrs. 570.6 ft

Description	Elev.	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Dk Gray Moist SILTY CLAY					
			0		
			2 3	0.8 B	27
			0		
V. Dark		-5	2 2	0.9 B	29
			0		
Brown and Dk Gray			1 1	0.4 B	30
			0		
Free Water		-10	0 1	0.2 B	28
	560.60		0		
Gray Wet LOAM			0 W.O.H.	0.0 B	28
			0		
Gray and Brown Weathered Shale Residuum	557.10	-15	2 4	0.4 B	35
Gray Poor to Mod Indurated Fissile Clayey SHALE			7		
			17 44		11
Borehole continued with rock coring.	553.60	-20			

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. 8-99)

File Name S:\COLS\GINT FILES\SANGAMON\084-0521.GPJ Date Time Template DITEMPLT.GDT Date Printed 9/15/08
Latitude 39D 43.9991N Longitude 89D 42.279W Datum NAD83 Job Number D96-304-07

Illinois Department of Transportation
Division of Highways
District 6

ROCK CORE LOG

Page 2 of 2

Date 4/30/08

ROUTE FAP 662 (IL 4) DESCRIPTION Bridge over Polecat Creek LOGGED BY M. Tappan

SECTION H(RS-10), B-2 LOCATION NW 1/4, SEC. 7, TWP. 14N, RNG. 5W, 3 PM

COUNTY Sangamon CORING METHOD Water

STRUCT. NO. 084-0521
Station
BORING NO. 2 S. Pier
Station 68+61
Offset 34.0ft Lt
Ground Surface Elev. 572.6 ft

CORING BARREL TYPE & SIZE NQ2WL
Core Diameter 2 in
Top of Rock Elev. 553.60 ft
Begin Core Elev. 553.60 ft

Description	Elev.	DEPTH (ft)	CORE (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
Begin Rock Core	553.60		1	90	71		
Dk Gray V. Well Indurated Clayey SHALE		-20					
Thinly Bedded Open Joints 2"-12"							50.2
Open Joints 1'-3' with some Argilliceous Shale Seams			2	92	87		
		-25					
							122.9
		-30					145.7
		-35	3	100	98		
							149.8
	533.60						

Color pictures of the cores Yes, On File
Cores will be stored for examination until 5 Years after Construction
The "Strength" column represents the unlaxial compressive strength of the core sample (ASTM D-2938)
RQD is the ratio of the total length of sound core specimens >4" to total length of core run
BBS, form 138 (Rev. 8-99)

ROCK CORE 084-0521.GPJ DITEMPLT.GDT 9/15/08

BORINGS
S.N. 084-0521

Allen Henderson & Associates, Inc.
Civil and Structural Engineers Springfield, IL.
62703 Phone: (217)544-8033 IL. Design Firm No. 184-001907

SHEET NO. 29
30 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
662	H(RS-10,B-2)	SANGAMON	84	73
		CONTRACT NO. 72A73		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		