

Aug-18-2010 08:52:31AM 8:52:31 AM



Illinois Department of Transportation
Division of Highways
District 6

SOIL BORING LOG

Page 1 of 2

Date 10/30/08

ROUTE FAP 713 DESCRIPTION IL 101 over the Lamoine River LOGGED BY M. Tappan

SECTION 120 B-3 LOCATION NE1/4, SEC. 20, TWP. 3N, RNG. 3W, 4 PM

COUNTY Schuyler DRILLING METHOD HSA HAMMER TYPE 140# Auto

STRUCT. NO. 085-0514 Pr
085-0016 Ex
Station 559+36.5

BORING NO. B-P1
Station 557+32
Offset 20.0ft RT
Ground Surface Elev. 485.8 ft

Surface Water Elev. 470 ft
Stream Bed Elev. 466.5 ft

Groundwater Elev.:
 First Encounter No Encounter ft
 Upon Completion Cored ft
 After Plugged Hrs.

DEPTH (ft)	B	S	P	E	M
(ft)	(Bulge)	(Shear)	(Penetrometer)	(Estimated)	(SPT)
0					
1					
3		1.1			18
5		B			
1					
5		1.0			22
3		B			
1					
2		0.6			27
1		B			
1					
3					
6					
17					
100/1					

Brown and Gray Moist SILTY CLAY (Fill)
w/ Limestone Rip Rap

Brown and Gray Moist SILTY CLAY (Fill)

Gray Fine Wet SAND

Brownish Gray Weathered Argillaceous LIMESTONE

Borehole continued with rock coring.

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:\GIS\DATA\FILES\SCHUYLER\085-0514_IL_101_OVER_LAMOINE_RIVER.GPJ Data Template: D:\TEMPL\DOT Date Printed: 7/10/09
Latitude: 40.13761N Longitude: 90.45386W Datum: NAD83 Job Number: D-96-533-05



Illinois Department of Transportation
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ROCK CORE LOG

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Date 10/30/08

ROUTE FAP 713 DESCRIPTION IL 101 over the Lamoine River LOGGED BY M. Tappan

SECTION 120 B-3 LOCATION NE1/4, SEC. 20, TWP. 3N, RNG. 3W, 4 PM

COUNTY Schuyler CORING METHOD Double Tube with Water

STRUCT. NO. 085-0514 Pr
085-0016 Ex
Station 559+36.5

BORING NO. B-P1
Station 557+32
Offset 20.0ft RT
Ground Surface Elev. 485.8 ft

CORING BARREL TYPE & SIZE NQ2WL

Core Diameter 2 in
Top of Rock Elev. 472.30 ft
Begin Core Elev. 471.30 ft

DEPTH (ft)	CORRECTION (%)	RECOVERED (%)	QUALITY (%)	CORE DIAMETER (min/ft)	STRENGTH (tsf)
471.30	-15	1	94	42	
469.70					
469.40					
467.80					785
466.50					
461.50		2	100	80	843
461.50		3	100	98	734
456.50					
-30					

Lt Grayish Brown Weathered well Indurated MacrocrySTALLINE LIMESTONE
Closed Joints Spaced <2"

Dk Gray Mod. Indurated Clayey SHALE
Closed Joints Spaced <2"

Dk Gray Mod. to Well Indurated Argillaceous LIMESTONE
Closed Joints Spaced 2"-12"

Dk Gray Mod to Well Ind. Calcareous SHALE
Closed Joints Spaced 2"-12"

Gray V. Well Ind. Crystalline LIMESTONE
Interbedded w/ 1"-4" gray Clayey Shale
Open Joints Spaced 2"-12" filled w/ Clayey Shale and Limestone

Gray V. Well Indurated Crystalline LIMESTONE
Closed Joints Filled w/ Gray Calcareous Shale Spaced 1'-3'

Color pictures of the cores Yes, On File
Cores will be stored for examination until 5 Years after Construction
The "Strength" column represents the uniaxial 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 085-0514_IL_101_OVER_LAMOINE_RIVER.GPJ D:\TEMPL\DOT 7/10/09

BORING B-P1

BORING LOGS S.N. 085-0514

DESIGNED	RJP
CHECKED	ADL
DRAWN	RJP
CHECKED	ADL

SHEET NO. 40	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	713	120B-3	SCHUYLER	75	60
45 SHEETS	CONTRACT NO. 72A03				
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT		

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