Aug-18-2010 08:52:36AM 8:52:36 AM

Illinois Department of Transportation
Division of Highways
District 6

SOIL BORING LOG

Date 11/20/08

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-P4
Station 560+24
Offset 21.0ft LT
Ground Surface Elev. 486.7 ft

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

Groundwater Elev.:
▽ First Encounter 474.7 ft
▽ Upon Completion Cored ft
▼ After ___ Hrs. Plugged ft

Description	Elev.	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Grayish Brown Moist SILTY CLAY Disturbed – Rock in Sampler			5		
			9 4	1.6 B	17
	483.20				
Brownish Gray Moist LOAM to SAND LOAM			1		
		-5	2 3	0.8 S-10	17
			1		
			1 2	0.6 B	24
	478.20				
Lt Brown V. Moist SILTY CLAY LOAM			0		
		-10	0 1	0.1 B	31
	▽ 474.70		0		
Brown Fine SAND Free Water			1 1		
			0		
w/ Silt Seams		-15	1 1		
			0		
Gray Fine SAND			0 1		
			1		
Washed		-20	1		

Description	Elev.	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Brown Fine SAND Free Water (continued)			2		
			0		
Washed			1 2		
			4		
Gray Med SAND Washed			4 5		
		-25			
	460.70				
Borehole continued with rock coring.					
		-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:\SOILS\GINT FILES\SCHUYLER\085-0514 IL 101 OVER LAMOINE RIVER.GPJ Data Template DSTEMPLT.GDT Date Printed 7/10/09
Latitude 40° 13.802N Longitude 90° 45.554W Datum NAD83 Job Number D-96-533-05

Illinois Department of Transportation
Division of Highways
District 6

ROCK CORE LOG

Date 11/20/08

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

CORING BARREL TYPE & SIZE NQ2WL

BORING NO. B-P4
Station 560+24
Offset 21.0ft LT
Ground Surface Elev. 486.7 ft

Core Diameter 2 in
Top of Rock Elev. 460.70 ft
Begin Core Elev. 460.70 ft

Description	Elev.	DEPTH (ft)	CORE (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
Gray Well Indurated Crystalline LIMESTONE Open Joints 2"-12" Very Jointed top 3 ft	460.70		1	94	15		
		-30					
w/ Interbedded Dk Gray poorly Indurated Shale				100	76		767
		-35					779
	450.90						
		-40					
		-45					

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 DSTEMPLT.GDT 7/10/09

BORING B-P4

DESIGNED	RJP
CHECKED	ADL
DRAWN	RJP
CHECKED	ADL

BORING LOGS
S.N. 085-0514

SHEET NO.43	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45 SHEETS	713	120B-3	SCHUYLER	75	63
			CONTRACT NO. 72A03		
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

Klingner & Associates P.C.

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