

Aug-18-2010 08:52:38AM 8:52:38 AM



Illinois Department of Transportation  
Division of Highways  
District 6

SOIL BORING LOG

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Date 11/18/08

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  
Station 085-0016 Ex  
559+36.5

BORING NO. B-P5  
Station 561+17  
Offset 28.0ft LT  
Ground Surface Elev. 485.4 ft

D E P T H H	B L O W S	U L C S	M O I S T Q U A N T I T Y	Surface Water Elev. 470 ft	D E P T H H	B L O W S	U L C S	M O I S T Q U A N T I T Y
(ft)	/6"	(tsf)	(%)	Stream Bed Elev. 466.5 ft	(ft)	/6"	(tsf)	(%)
				Groundwater Elev.: First Encounter 475.9 ft Upon Completion Cored ft After 2 Days Hrs. Plugged ft				
				Dk Gray Moist SILTY CLAY LOAM (Disturbed)				
				Gray V. Fine SAND (continued)				
				Gray Med SANDY GRAVEL Washed				
				Washed				
				Borehole continued with rock coring.				
				Lt Brown and Gray V. Moist SILTY CLAY Free Water				
				Gray V. Fine SAND				
				Washed				

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)



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ROCK CORE LOG

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Date 11/18/08

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  
Station 085-0016 Ex  
559+36.5

BORING NO. B-P5  
Station 561+17  
Offset 28.0ft LT  
Ground Surface Elev. 485.4 ft

DEPTH (ft)	CORER (#)	RECOVERY (%)	RECORDED (%)	CORE TIME (min/ft)	STRENGTH (tsf)
459.40	1	100	50		
449.60	2	100	80		736
					503

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)

BORING B-P5

BORING LOGS  
S.N. 085-0514

DESIGNED	RJP
CHECKED	ADL
DRAWN	RJP
CHECKED	ADL

SHEET NO. 44	F.A.P. RTE. 713	SECTION 120B-3	COUNTY SCHUYLER	TOTAL SHEETS 75	SHEET NO. 64
45 SHEETS			CONTRACT NO. 72A03		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			