

Aug-18-2010 08:52:33AM 8:52:33 AM



Illinois Department of Transportation
Division of Highways
District 6

SOIL BORING LOG

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Date 11/19/08

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-P2
Station 558+65
Offset 22.0ft LT
Ground Surface Elev. 488.8 ft

DEPTH (ft)	B	S	P	E	Qu	TSF	SOIL DESCRIPTION	DEPTH (ft)	B	S	P	E	Qu	TSF	SOIL DESCRIPTION
							Surface Water Elev. 470 ft								
							Stream Bed Elev. 466.5 ft								
							Groundwater Elev.:								
							First Encounter 479.3 ft								
							Upon Completion Cored ft								
							After 1 Day Hrs. 484.8 ft								
485.30							Gray Med Sandy GRAVEL (continued)	465.30							
	1						Washed		1						
	5	1.1			15				2						
	3	B							2						
482.80							Gray Mod Indurated Crystalline LIMESTONE	465.30							
	2						Open Joints Spaced 2"-12"	100/3							
	-5	0.8			19		Borehole continued with rock coring.								
	2	S-12													
479.30							Gray V. Moist SILTY CLAY LOAM								
	1						w/ Shaley Residuum FREE WATER								
	3				14										
	3														
475.30							Gray V. Moist SILTY CLAY LOAM								
	0						w/ Loam Seams								
	-15	0.4			25										
	1	B													
472.80							Gray V. Moist Loam								
	0														
	0	0.3			24										
	H	B													
470.30							Gray Med Sandy GRAVEL								
	2														
	1						Washed								
	-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)



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ROCK CORE LOG

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Date 11/19/08

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-P2
Station 558+65
Offset 22.0ft LT
Ground Surface Elev. 488.8 ft

DEPTH (ft)	RECOVERED (%)	QUANTITY (%)	CORE TIME (min/ft)	STRENGTH (tsf)	SOIL DESCRIPTION
465.30	92	93			Gray Mod Indurated Crystalline LIMESTONE
					Open Joints Spaced 2"-12"
					W/ some Thinly Interbedded Dark Gray Shale
455.00	100	82			Gray V. Well Indurated Fossiliferous LIMESTONE
					Open Joints Spaced 1' to 3'
452.00					Dk Gray Well Indurated Argillaceous LIMESTONE
					No Joints
450.50					

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-P2

BORING LOGS
S.N. 085-0514

DESIGNED	RJP
CHECKED	ADL
DRAWN	RJP
CHECKED	ADL

SHEET NO. 41	F.A.P. RTE. 713	SECTION 120B-3	COUNTY SCHUYLER	TOTAL SHEETS 75	SHEET NO. 61
45 SHEETS			CONTRACT NO. 72A03		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			