

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation
Division of Highways
Soil Boring Log

Page 1 of 3 Date 9/14/00

ROUTE FA 312 DESCRIPTION IL Route 3 over Horse Creek LOGGED BY Larry Ford

SECTION 71-BR LOCATION SEC. TWP. RING. PM

COUNTY Randolph DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 079-0003
Station 1128+90

BORING NO. #4 N. Pier
Station 1128+23
Offset 6.00ft RL
Ground Surface Elev. 407.2 ft

SOIL	DEPTH (ft)	DIAMETER (in)	WATER CONTENT (%)	LIQUID LIMIT (%)	PLASTICITY INDEX (%)	UNCONSOLIDATED STRENGTH (tsf)
Brown Silty LOAM (continued)	0 to 32					
Gray, Blue Silty CLAY w/Limestone Gravel	32 to 38.2					
Borehole continued with rock coring.	38.2 to 375.7					

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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	DEPTH (ft)	DIAMETER (in)	RECOVERY (%)	COHESION (min/ft)	STRENGTH (tsf)
Broken, Weathered LIMESTONE	375.70 to 373.70				
Gray LIMESTONE	373.70 to 369.20		1 96 82 7	6	
Gray LIMESTONE w/Weathered Joints	369.20 to 359.70		2 100 88 3	10	
Gray LIMESTONE w/Gray Shale Seams	359.70 to 357.70		3 100 82 2	2	

Color pictures of the cores _____
Cores will be stored for examination until _____
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)

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ROCK	DEPTH (ft)	DIAMETER (in)	RECOVERY (%)	COHESION (min/ft)	STRENGTH (tsf)
Gray LIMESTONE w/Gray Shale Seams (continued)	357.70 to 351.70				2
Gray LIMESTONE	351.70 to 348.70				4
Gray LIMESTONE	348.70 to 345.70				2.5
Gray Shaley LIMESTONE	345.70 to 340.70				1
END OF BORING	340.70 to 320.70				

Color pictures of the cores _____
Cores will be stored for examination until _____
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BORING LOGS
F.A.P. RT. 312 - SEC. 71BR
RANDOLPH COUNTY
STATION 1128+90
STRUCTURE NO. 079-0048