STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 312	71BR	RANDOLPH	73	52
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 28
31 SHEETS

Contract No. 76125

Illinois Department of Transportation — SOIL BORING LOG

Division of Highways
Illinois Department of Transportation

Page 1 of 2

Date 82900

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. #1 N. Abut.
Station 1129+93
Offset 8.00ft Lt.
Ground Surface Elev. 406.7 ft

Surface Water Elev. 386.6 ft
Stream Bed Elev. 385.4 ft

Groundwater Elev.:
First Encounter 385.2 ft ▼
Upon Completion ft
After Hrs. ft

Description	Depth (ft)	Blows (6")	UCS Qu (tsf)	Moist (%)
3 1/2" ASPHALT, 13 1/2" CONCRETE				
405.3				
Rock Fill SUBBASE				
403.3				
CONCRETE 402.7				
	-5	1		
		2	0.2	
		2	S/10	21
Gray SILT (Fill)		1		
		2	0.7	
		7	S/10	23
	-10	2		
		2	0.5	
		3	S/10	24
395.2				
Gray Silt LOAM		0		
		0	0.2	
		1	S/5	27
	-15	0		
		0	0.3	
		0	S/5	27
		0		
		0	0.4	
		0	S/5	28
387.7				
Gray LOAM	-20			

Description	Depth (ft)	Blows (6")	UCS Qu (tsf)	Moist (%)
Gray LOAM (continued)		0	0.4	
		0	S/5	30
385.2 ▼		0		
Gray Silty SAND		0		
		0	NC	
(See Gradation)		0		24
382.7				
	-25	0		
Gray Sandy SILT		0	0.2	
		0	S/10	32
380.2				
		3		
		5	1.0	
Gray Silty CLAY		7	S/10	24
	-30	5		
376.2		50/1"		
Borehole continued with rock coring.				
	-35			
	-40			

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)

Illinois Department of Transportation — ROCK BORING LOG

Division of Highways
Illinois Department of Transportation

Page 2 of 2

Date 82900

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

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

COUNTY Randolph CORING METHOD

STRUCT. NO. 079-0003
Station 1128+90

BORING NO. #1 N. Abut.
Station 1129+93
Offset 8.00ft Lt.
Ground Surface Elev. 406.7 ft

CORING BARREL TYPE & SIZE
Core Diameter in
Top of Rock Elev. ft
Begin Core Elev. 376.20 ft
376.20

Description	Depth (ft)	Core (#)	Recovery (%)	R.Q.D. (%)	Core Time (min/ft)	Strength (tsf)
376.20						
Brown Broken & Weathered LIMESTONE			100	83	4	
					4	
372.70					4	
Gray LIMESTONE wSome Weathered Joints	-35				8	
					4	
					4	
					4	
					5	
	-40				3	
365.70					1.5	
END OF BORING						
	-45					
	-50					

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)

BORING LOGS
F.A.P. RT. 312 - SEC. 71BR
RANDOLPH COUNTY
STATION 1128+90
STRUCTURE NO. 079-0048

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