STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 80	14BR & 14BR-1	BUREAU	219	101
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 29
32 SHEETS

Contract No. 66731

Illinois Department of Transportation
Division of Highways
District – Materials

SOIL BORING LOG

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Date 8/15/94

ROUTE FAI80 DESCRIPTION I-80 over Spring Creek, 1.7 mi E of IL89: Elevation @ Bridge CL= 100.0 LOGGED BY C. Jenkins; D2

SECTION 6-14B-1 LOCATION Hall Twp, SEC. 14, TWP. 15N, RNG. 11E

COUNTY Bureau DRILLING METHOD HAMMER TYPE

STRUCT. NO.
Station 400+20

BORING NO. B-1 EBL
Station 399+17.5
Offset 37.00ft Lt of CL
Ground Surface Elev. 95.90 ft

Surface Water Elev. 70.90 ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 45.5 ft
Upon Completion 70.9 ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Medium, tan, Silty Loam			0.8 E		9.0
Very stiff, tan brown, Silty Clay Till	93.40				
		6			
		3	2.5		17.0
		6	B		
Medium, black gray, Silty Clay with Gravel and Organics	90.40 -5				
		2			
		3	0.7		22.0
		8	S		
Medium to very stiff, tan gray to gray black, Silty Clay Till	88.40				
		4			
		3	1.0		16.0
		6	S		
	-10				
		23			
		16	0.8		20.0
		16	S		
		11			
		10	0.9		15.0
		13	S		
	-15				
		5			
		6	2.3		11.0
		12	B		
		6			
		8	3.5		15.0
		12	S		
	75.90 -20				

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Hard, tan brown, Silty Loam Till			13		
			22	6.1	12.0
			30	S	
Hard, gray brown, Silt	72.90				
			15		
			18	4.5	21.0
			21	S	
Hard, gray, Silty Loam Till	70.90 -25				
			7		
			16	4.3	12.0
			18	S	
Very stiff, gray, Silt	68.40				
			7		
			10	2.6	12.0
			13	S	
Very stiff, gray, Silty Loam Till	65.90 -30				
			10		
			13	2.6	13.0
			23	S	
Very stiff, gray, Silt	63.40				
			18		
			31	2.6	23.0
			37	S	
		-35			
			16		
			29	2.1	23.0
			38	S	
			11		
			21	2.7	23.0
			28	S	
		-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)

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SECTION 6-14B-1 LOCATION Hall Twp, SEC. 14, TWP. 15N, RNG. 11E

COUNTY Bureau DRILLING METHOD HAMMER TYPE

STRUCT. NO.
Station 400+20

BORING NO. B-1 EBL
Station 399+17.5
Offset 37.00ft Lt of CL
Ground Surface Elev. 95.90 ft

Surface Water Elev. 70.90 ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 45.5 ft
Upon Completion 70.9 ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Very stiff, gray, Silt (continued)			14		
			28	2.7	24.0
			29	S	
			18		
			34	3.3	22.0
			35	S	
		-45			
Hard to very stiff, brown, Silt	50.40				
			18		
			28	2.9	21.0
			32	S	
			18		
			39	3.5	20.0
			42	S	
		-55			
			21		
			45	4.5	20.0
			78	S	
Hard, brown, Silty Loam with some, Gravel	42.90				
			26		
			23	6.0	11.0
			22	B	
		-65			
Hard, brown, Silty Clay	40.40				
			12		
			23	6.8	25.0
			27	S	
			17		
			31	7.7	22.0
			37	S	
	35.90 -60				

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Hard, brown blue, Silty Clay Till			19		
			33	5.5	21.0
			34	S	
Hard, blue green, shaley, Clay	33.40				
			100/9"		
				5.7	20.0
				S	
		-65			
Very dense, red brown, Shale	30.40				
			100/10"		
Very dense, gray green, Shale	27.90				
End of Boring	27.40		100/9"		