

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 31 32 SHEETS
F.A.I. 80	14BR & 14BR-1	BUREAU	219	103	
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-		

Contract No. 66731

**Illinois Department of Transportation**  
Division of Highways  
District - Materials

### SOIL BORING LOG

Page 1 of 2  
Date 9/15/94

ROUTE FA80 DESCRIPTION I-80 over Spring Creek, 1.7 mi E of IL89 LOGGED BY J. Robertson, DP  
Elevation @ Bridge CL = 100.0

SECTION 6-HB-1 LOCATION Hill Twp, SEC. 14, TWP. 16N, R16E, J1E

COUNTY Bureau DRILLING METHOD \_\_\_\_\_ HAMMER TYPE \_\_\_\_\_

STRUCT. NO.	DEPT	UCS	MO	Surface Water Elev.	DEPT	UCS	MO
400+20				73.10 ft			
				Stream Bed Elev.			
BORING NO. <u>B-4 EBL</u>				Groundwater Elev.:			
Station <u>400+49</u>				First Encounter <u>57.5 ft</u>			
Offset <u>8.00ft LI of CL</u>				Open Completion <u>50.3 ft</u>			
Ground Surface Elev. <u>100.60 ft</u>	(1)	(1/6")	(1st)	After _____ Hrs.	(1)	(1/6")	(1st)

Soil Description:  
Air (continued)  
Ground Surface 75.60 ft  
No Sample  
Loose, gray, Sand and Gravel 73.80 ft  
Loose, black, dirty, Sand and Gravel 70.60 ft  
Medium, gray, medium, Sand and Gravel 68.80 ft  
Stiff to very stiff to hard, gray, Sil 66.80 ft

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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COUNTY Bureau DRILLING METHOD \_\_\_\_\_ HAMMER TYPE \_\_\_\_\_

STRUCT. NO.	DEPT	UCS	MO	Surface Water Elev.	DEPT	UCS	MO
400+20				73.10 ft			
				Stream Bed Elev.			
BORING NO. <u>B-4 EBL</u>				Groundwater Elev.:			
Station <u>400+49</u>				First Encounter <u>57.5 ft</u>			
Offset <u>8.00ft LI of CL</u>				Open Completion <u>50.3 ft</u>			
Ground Surface Elev. <u>100.60 ft</u>	(1)	(1/6")	(1st)	After _____ Hrs.	(1)	(1/6")	(1st)

Soil Description:  
Stiff to very stiff to hard, gray, Sil (continued)  
Hard, gray, Silty Auger refusal @ 66' (continued)  
End of Boring 34.60 ft

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
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COUNTY Bureau DRILLING METHOD \_\_\_\_\_ HAMMER TYPE \_\_\_\_\_

STRUCT. NO.	DEPT	UCS	MO	Surface Water Elev.	DEPT	UCS	MO
400+20				70.90 ft			
				Stream Bed Elev.			
BORING NO. <u>B-5 WBL</u>				Groundwater Elev.:			
Station <u>399+90</u>				First Encounter <u>30.5 ft</u>			
Offset <u>8.00ft LI of CL</u>				Open Completion <u>46.9 ft</u>			
Ground Surface Elev. <u>98.40 ft</u>	(1)	(1/6")	(1st)	After _____ Hrs.	(1)	(1/6")	(1st)

Soil Description:  
Air (continued)  
Ground Surface 71.90 ft  
No Sample  
Dense, gray, medium to coarse, Sand and Gravel 69.40 ft  
Very stiff, gray, Sil 67.40 ft  
Stiff to hard, gray, Sil 64.90 ft

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)

**BORING LOGS**  
**F.A.I. RTE. 80 - SEC. 14BR & 14BR-1**  
**BUREAU COUNTY**  
**STATION 400+22.07**  
**STRUCTURE NO. 006-0165 (E.B.)**  
**STRUCTURE NO. 006-0166 (W.B.)**