

BORING LOGS



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation/D-2

SOIL BORING LOG

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Date 8/5/08

ROUTE FAI 80 DESCRIPTION P92-084-03 Sign Truss on E.B. I-80, just after Mississippi River Bridge LOGGED BY W. Garza

SECTION (81-1)R-1 LOCATION Hampton Twp. - 3 SE, SEC. , TWP. 18N, RNG. 1E

COUNTY Rock Island DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. _____
Station _____

BORING NO. B-1a
Station 55+83
Offset 49.00ft Rt of I-80 EB CL
Ground Surface Elev. 99.50 ft

DEPTH (ft)	BULGE (1/6")	SHEAR (tsf)	Penetration (%)
97.50	100/4"		
93.50	11	2.7	12.0
91.00	11	2.1	12.0
88.50	10	0.6	15.0
86.00	13	2.3	12.0
83.00	13	3.5	11.0
81.00	27		
-20	6		

DEPTH (ft)	SOIL DESCRIPTION	Surface Water Elev. (ft)	Stream Bed Elev. (ft)	Groundwater Elev. (ft)	First Encounter (ft)	Upon Completion (ft)	After (ft)	After (Hrs)
97.50	SOFT brown SILTY CLAY LOAM							
97.50	VERY DENSE gray LIMESTONE							
95.50	VERY STIFF tan LOAM							
93.50	VERY STIFF tan SANDY LOAM with SAND lens							
91.00	MEDIUM tan SANDY LOAM							
88.50	VERY STIFF gray SANDY LOAM TILL							
86.00	VERY STIFF gray SANDY LOAM TILL							
83.00	VERY DENSE tan dry SANDY GRAVEL							
81.00								
-20								

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)

FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -
ot\pw_work\p\p\dot\grantpm\dms34287\d084031ogs.dgn		DRAWN -	REVISED -
PLOT SCALE = 65.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = Mon Dec 15 08:23:56 2008		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BORING LOGS			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.I. RTE. 80	SECTION (81-1)R-1	COUNTY ROCK ISLAND	TOTAL SHEETS 292	SHEET NO. 192
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 64933	