SOIL BORING – ROCK CORE LOG

CONTRACT NO. 64970

FAP RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4595	5HBR	ROCK ISLAND	139	94

STA. TO STA.

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

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ROUTE FAP 308 DESCRIPTION P92-082-03 John Deere Road over IL 84 E. of Silvis Date 12/11/06

SECTION 5 HB LOCATION Hampton Twp. - 32NE, SEC., TWP. 18N, RNG. 1E LOGGED BY B. Wetzell

COUNTY Rock Island DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

STRUCT. NO.
Station 26+00

BORING NO. B-1c
Station 26+68
Offset 50.00ft Rt
Ground Surface Elev. 621.0 ft

Surface Water Elev. ft
Stream Bed Elev. ft

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

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
0			
Drilled Down to Coring Depth			
23.00			
598.00			
-10			
-15			
-20			
-25			
-30			
-35			
-40			

Borehole continued with rock
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, form 137 (Rev. 8-99)

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SECTION 5 HB LOCATION Hampton Twp. - 32NE, SEC., TWP. 18N, RNG. 1E LOGGED BY B. Wetzell

COUNTY Rock Island CORING METHOD

STRUCT. NO.
Station 26+00

CORING BARREL TYPE & SIZE
Core Diameter 1.5 in
Top of Rock Elev. 598.00 ft
Begin Core Elev. 598.00 ft

BORING NO. B-1c
Station 26+68
Offset 50.00ft Rt
Ground Surface Elev. 621.0 ft

DEPTH (ft)	CORE (ft)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
Sandstone: light gray-buff to dark gray, fine grained, micaceous, generally friable with trace of coal.	1	100	18	1	124.5
T.S.F.: 593.5 to 593.0					
25					
Sandstone: as above, although more tenacious. 593.00					
T.S.F.: 590.4 to 589.8	2	100	38	1	82.6
30					
Sandstone: as above 588.00					
T.S.F.: 584.6 to 583.7	3	100	40	0.8	163.7
35					
Sandstone: as above, although soft & friable, to 580.0. 583.00					
Shale: gray, laminated and soapy, in 1/8 in. to 2 in. segments, to end of core.	4	100	0	2.4	
40					
End of Boring 578.00					

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)

BBS, form 138 (Rev. 8-99)