CONTRACT NO. 64681

FAP	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	5HBR	ROCK ISLAND	139	89
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

= 61.5

SOIL BORING -- ROCK CORE LOG

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

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Date 7/19/05

ROUTE FAP 308 DESCRIPTION P92-082-03 John Deere Road over IL 84, 3.25 m. W. of I-80 LOGGED BY W. Garza

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

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

STRUCT. NO. _____
Station _____

BORING NO. B-5
Station 26+71
Offset 3.00ft Rt CL
Ground Surface Elev. 621.9 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 (%)
VERY STIFF blue green SILTY CLAY	619.40	14 9 7	2.3 B	20
HARD tan CLAY TILL - top 12" - STIFF dark gray, slightly moist SHALEY CLAY	617.90 -5 615.40	6 5 5	4.3 P	16
HARD black gray SHALE	612.90 -10	12 18 32	5.3 S	11
VERY STIFF dark gray "poker chip" SHALE	610.40	11 19 26	3.7 P	12
As above	607.90 -15	14 26 33	3.1 P	11
As above	605.40	16 26 32	2.7 P	10
As above	602.90	26 74/5"	2.7 P	9
Borehole continued with rock coring.	-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)

Illinois Department of Transportation
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IDOT

ROCK CORE LOG

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Date 7/19/05

ROUTE FAP 308 DESCRIPTION P92-082-03 John Deere Road over IL 84, 3.25 m. W. of I-80 LOGGED BY W. Garza

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

COUNTY Rock Island CORING METHOD _____

STRUCT. NO. _____
Station _____

CORING BARREL TYPE & SIZE _____
Core Diameter 1.5 in
Top of Rock Elev. 614.90 ft
Begin Core Elev. 602.90 ft

BORING NO. B-5
Station 26+71
Offset 3.00ft Rt CL
Ground Surface Elev. 621.9 ft

	DEPTH (ft)	CORE	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
Shale: dark gray, with blocky laminations to 600.6, turning to "poker chip" laminations to 597.9, no testable segments due to fissile nature of core.	-20	1	100	58	4.2	
	597.90					
Shale: to 590.9, dark gray with "poker chip" laminations. Sandstone: to 592.9, banded light gray-tan, fine grained with occasional shaley inclusion; lower 10 inches washed out.	-25	2	83	0	1.4	
	592.90					
Sandstone: to 592.4, as above. Shale: light gray, blocky laminations to 589.9, balance washed out possibly due to presence of soft porous sand.	-30	3	60	0	3.6	
	587.90					
Shale: gray, to dark gray with blocky laminations to 585.9; balance presumably washed out, as described above.	-35	4	40	0	1.4	
	582.90					

End of Boring
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)