F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
510	120 (I-6)	HANCOCK	13	13
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

STATE CONTRACT NO. 72852

Illinois Department of Transportation
Division of Highways
Ideal District 6

SOIL BORING LOG

Page 1 of 1

Date 6/9/99

ROUTE FAP 510 (IL 96) DESCRIPTION IL 96 Proposed Slope Repair LOGGED BY M. Tappan

SECTION 120 (I-6) LOCATION W 1/2, SEC. 31, TWP. 6 N, RNG. 8 W, 4 PM

COUNTY Hancock DRILLING METHOD HSA HAMMER TYPE 140# Auto

STRUCT. NO.
Station

BORING NO. 4
Station 811+29
Offset 14.00ft Right
Ground Surface Elev. 590.0 ft

Surface Water Elev. N/A ft
Stream Bed Elev. N/A ft

Groundwater Elev.:
First Encountor 578.5 ft
Upon Completion Cored ft
After Hrs. Plugged ft

Description	Elev.	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
Grey Moist Rock Fill w/ Limestone Cobbles and Boulders			0		
		-5	1 4		
			2		
			3 4		
			60		
	580.00	-10	25 4		
Brown and Dark Grey Moist CLAY Colluvium			1		
			2 2	0.6 B	22
	577.00				
Grey and Tan V. Weathered V. Poorly Indurated Clayey SHALE			1		
		-15	4 6	1.5 S-10	16
			5		
			10 11	3.0 S-11	15
			4		
	570.00	-20	10	3.1	14
Grey and Brown Weathered V. Poorly Indurated Clayey SHALE Borehole continued with rock coring.			10	S-12	
		-25			
		-30			
		-35			
		-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)

BBS, from 137 (Rev. 8-99)

SOIL BORING - IL 96 VAL - W GPJ DR LIBRARY.GDT 8/20/04

Illinois Department of Transportation
Division of Highways
Ideal District 6

ROCK CORE LOG

Page 1 of 1

Date 6/9/99

ROUTE FAP 510 (IL 96) DESCRIPTION IL 96 Proposed Slope Repair LOGGED BY M. Tappan

SECTION 120 (I-6) LOCATION W 1/2, SEC. 31, TWP. 6 N, RNG. 8 W, 4 PM

COUNTY Hancock CORING METHOD Christensen NXB w/ Water

STRUCT. NO.
Station

CORING BARREL TYPE & SIZE NXB

BORING NO. 4
Station 811+29
Offset 14.00ft Right
Ground Surface Elev. 590.0 ft

Core Diameter 1.875 in
Top of Rock Elev. 570.00 ft
Begin Core Elev. 570.00 ft

Description	Elev.	DEPTH (ft)	CORE (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
Grey and Brown Weathered V. Poorly Indurated Clayey SHALE	570.00		1	48	19		
	565.80						
Dark Grey Poorly Indurated Clayey SHALE	564.60	-25	2	92	92		
Dark Grey Well Indurated Clayey SHALE	561.00						
Light Brownish Grey Moderately Indurated Poorly Cemented Argilliceous LIMESTONE	560.40	-30					
Boring Completed							
Refer Elevation to BM TJM100, Chisled Square on SW Corner of Existing Wall 'L' at STA 807+32, 14' Rt. BM TJM100=596.44'							
Refer Stations to PK Nails set by D6 Survey Crew, STA Increase to South							
Stations, Elevations Updated 08/20/04 MRM		-35					
		-40					

Color pictures of the cores _____ Y
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)

ROCK CORE - IL 96 VAL - W GPJ DEFAULT.GDT 8/20/04

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SOIL BORINGS

SHEET 3 OF 3

SCALE: VERT.
HORIZ.
DATE

DRAWN BY IDOT
CHECKED BY