

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	**	*	196	194
STA. 420+00.00 TO STA. 454+00.00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

* BROWN & SCHUYLER CONTRACT NO. 72432
** 9RS-4, (10,11) RS-3; (10B-1) R
SHEET 1210F 123



SOIL BORING LOG

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Date 5/7/07

ROUTE FAP 317 (US 24) DESCRIPTION US 24 Soil Survey LOGGED BY M. Tappan

SECTION 10(B-1)R LOCATION NE 1/4, SEC. 33, TWP. 1 N. RNG. 2 W. 4 PM

COUNTY Brown DRILLING METHOD HSA HAMMER TYPE 140 # Auto

STRUCT. NO. _____
Station _____
BORING NO. 13
Station 442+00
Offset 107.0R L1
Ground Surface Elev. 525.7 ft

Surface Water Elev. N/A ft
Stream Bed Elev. N/A ft
Groundwater Elev.:
First Encounter No Encounter ft
Upon Completion Cored ft
After 8 Days Hes. Dry @ 9 ft

DEPTH (ft)	DEPTH (ft)	WATER (%)	MOISTURE (%)	SOIL DESCRIPTION
0	1			Brown Moist Silty Clay to Lt Gray and Reddish Brown Moist SAND LOAM Residuum, Ref Classification 12-2
1	3	2.5	18	
3	4	S-12		
4	7			Lt Gray and Brown Moist
7	12	3.3	9	
12		S-10		
12	9			Tan Poorly Indurated Weathered Fine Grained SANDSTONE
9	515.70	100		
515.70				Borehole continued with rock coring.

The Unconfined Compressive Strength (UCS) Failure Mode is Indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
Abbreviations W.D.H - Sampler Advanced By Weight of Hammer, W.O.P - Advanced by Weight of Pipe, B.S. - Before Seating
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)



ROCK CORE LOG

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Date 5/7/07

ROUTE FAP 317 (US 24) DESCRIPTION US 24 Soil Survey LOGGED BY M. Tappan

SECTION 10(B-1)R LOCATION NE 1/4, SEC. 33, TWP. 1 N. RNG. 2 W. 4 PM

COUNTY Brown CORING METHOD Water

STRUCT. NO. _____
Station _____
BORING NO. 13
Station 442+00
Offset 107.0R L1
Ground Surface Elev. 525.7 ft

CORING BARREL TYPE & SIZE NO2WE
Core Diameter 1.98 in
Top of Rock Elev. 515.70 ft
Begin Core Elev. 515.70 ft

DEPTH (ft)	DEPTH (ft)	RECOVERY (%)	RECOVERY (%)	CORE TIME (min)	STRENGTH (tsf)
0	1	96	62		561
1	2	100	48		
2	3	98	56		645
3	4	100	44		522
4	498.90				233
498.90	486.70				

Color pictures of the cores _____ Y _____
Cores will be stored for examination until 5 Yrs After Construction
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)
RQD is the ratio of the total length of sound core specimens >4" to total length of core run BBS, form 138 (Rev. 8-99)

GENERAL NOTES

US 24 OVER LAMOINE RIVER
F.A.P. RTE 317 (US RTE 24) SECTION (10B-1) R
BROWN & SCHUYLER COUNTY