

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	**	*	196	195
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 1220F 123



Illinois Department of Transportation  
Division of Highways  
District 4

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. \_\_\_\_\_ CORING BARREL TYPE & SIZE NQ2WL  
Station \_\_\_\_\_ Core Diameter 1.98 in  
BORING NO. 13 Top of Rock Elev. 515.70 ft  
Station 442+00 Begin Core Elev. 515.70 ft  
Offset 107.08 ft  
Ground Surface Elev. 525.7 ft

DEPTH (ft)	RECOVERY (%)	ROQ (%)	CORE LENGTH (min/ft)	STRENGTH (tsf)
5	100	100		312
Grey Moderately Indurated Fine Grained SANDSTONE Closed joints spaced 1' to 3'				
490.00	6	100	46	254
Grey Moderately Indurated Crystalline LIMESTONE Multiple diagonal joints Open joints spaced 2" to 12" filled with olive grey clay.				
488.00	Turquoise Green Very Poorly Indurated Clayey SHALE Blocky Structure with closed joints spaced 2" to 12"			
485.80	7	100	100	692
Light Grey and Tan Well Indurated Crystalline LIMESTONE No Joints				
480	8	100	100	683
Closed joints spaced 1' to 3'				

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)  
ROQ is the ratio of the total length of sound core specimens >4" to total length of core run BBS, form 138 (Rev. 8-99)

ROCK CORE CASE NO. 006-6500 US 24 OVER LAMOINE RIVER DISTRICT 4 DISTRICT 4 DISTRICT 4



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DEPTH (ft)	RECOVERY (%)	ROQ (%)	CORE LENGTH (min/ft)	STRENGTH (tsf)
9	100	70		714
Light Grey and Tan Well Indurated Crystalline LIMESTONE No Joints (continued) Large 8" horizontal joint				
480	10	100	100	451
Closed joints spaced 3' to 10'				
465.70	with Geodes and Secondary Quartz Mineralization			

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ROCK CORE CASE NO. 006-6500 US 24 OVER LAMOINE RIVER DISTRICT 4 DISTRICT 4 DISTRICT 4

GENERAL NOTES

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