

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



SOIL BORING LOG

Page 1 of 2

Date 4/19/07

ROUTE FAP 317 (US 24) DESCRIPTION US 24 over the Lamoine River LOGGED BY M. Tappan

SECTION 10(B-1)R LOCATION NE 14, SEC. 33, TWP. 1 N, RNG. 2 W, 4 PM

COUNTY Brown DRILLING METHOD HSA HAMMER TYPE 140 # Auto

STRUCT. NO. Station	BORING NO. Station	Offset	Ground Surface Elev.	D (ft)	B /6"	U (tsf)	M (%)	Description	Elev.	D (ft)	B /6"	U (tsf)	M (%)
005-0500 Pr 436+67	4 Pier 1 435+68	0.0ft	462.9					Surface Water Elev. 436.1 ft Stream Bed Elev. 431.2 ft					
								Groundwater Elev.:					
								First Encounter 433.4 ft					
								Upon Completion Washed ft					
								After 26 Days Hrs. Collapse ft					
								Light Brownish Grey Moist SILTY CLAY LOAM with Thin Medium Sand Seams					
								Very Moist with Fine to Medium Sand Seam (Washed)					
								Light Grey to Brown & Grey Moist SILTY CLAY LOAM					
								Brown Medium SAND to Coarse SAND with some Pea Gravel					
								Very Moist					
								Light Brown Moist SILTY CLAY					
								Grey Moist SANDY CLAY LOAM with Small to Medium Gravel Clasts (Washed)					
								Wet					
								Olive Grey & Grey Moist SILTY CLAY (Till - Disturbed) (Washed)					
								Grey & Lt. Brn Wet SILTY CLAY LOAM w/Mod. Sand Seams					
								Free Water					
								Drilled Very Hard 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.O.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 (ASTM T296) BBS, from 137 (Rev. 8-99)

The Name & ADDRESS OF THE CONSULTING ENGINEER SHALL BE PRINTED IN THE UPPER LEFT CORNER OF THIS SHEET. THE NAME & ADDRESS OF THE CLIENT SHALL BE PRINTED IN THE LOWER LEFT CORNER OF THIS SHEET.



ROCK CORE LOG

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Date 4/19/07

ROUTE FAP 317 (US 24) DESCRIPTION US 24 over the Lamoine River LOGGED BY M. Tappan

SECTION 10(B-1)R LOCATION NE 14, SEC. 33, TWP. 1 N, RNG. 2 W, 4 PM

COUNTY Brown CORING METHOD Water

STRUCT. NO. Station	BORING NO. Station	Offset	Ground Surface Elev.	CORING BARREL TYPE & SIZE	Core Diameter	Top of Rock Elev.	Begin Core Elev.	D (ft)	C (#)	R (%)	Q (%)	CO (min/ft)	ST (tsf)
005-0500 Ex 436+67	4 Pier 1 435+68	0.0ft	452.9	NQ2WL	1.99 in	414.40	413.90						

Depth (ft)	Core Description	D (%)	C (%)	R (%)	Q (%)	CO (min/ft)	ST (tsf)
1	Grey Poorly Indurated Clayey SHALE Closed Joints 2"-12" Spacing	100	100	86			12.2
2	Grey Moderately Indurated Fossiliferous Argillaceous LIMESTONE Interbedded with Dark Grey Well Indurated Calcareous Shale Seams Open Joints Spaced 1' to 3' Filled with Soft Clay	100	100				15.8
3	Dark Grey Well Indurated Fossiliferous Calcareous SHALE No Jointing	100	100				209
4	Grey Well Indurated Fossiliferous Argillaceous LIMESTONE Interbedded with Dark Grey Fossiliferous Calcareous Shale Seams Open Joints Spaced 1' to 3'	100	100				535

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)

SOIL BORINGS (2 OF 4)
STRUCTURE NO. 005-0500

	SHEET NO. 27	F.A.P. RTE. 317	SECTION (10B-1)R	COUNTY BROWN/SCHUYLER	TOTAL SHEETS 196	SHEET NO. 146
	29 SHEETS	CONTRACT NO. 72432		ILLINOIS FED. AID PROJECT		