

**ROCK CORE LOG**

Page 1 of 1  
Date 2/10/04

ROUTE FAP 302 (IL 336) DESCRIPTION IL 336 Retaining Wall at the Lemmon River LOGGED BY M. Tuppen

SECTION 34-5 LOCATION SW 14, SEC. 16, TWP. 5 N, RNG. 6 W, 4 PM

COUNTY Hancock CORING METHOD Christmas NEX Wireline w/Water

STRUCT. NO. 034-2014	CORING BARREL TYPE & SIZE NEX	D	C	R	C	O	R	E	S
Station 1296+25									
BORING NO. 8A	CORE DIAMETER 1.50 in								
Station 1296+50	Top of Rock Elev. 541.80 ft								
Offset 5.00 ft	Begin Core Elev. 541.80 ft								
Ground Surface Elev. 545.0 ft		(R)	(F)	(W)	(W)	(C)	(S)	(M)	(H)

Gray Fairly to Moderately Indurated Fossiliferous Crystalline LIMESTONE w/ Interbedded Argillaceous LIMESTONE and Clayey SHALE seams (continued)

Color pictures of the cores On Request  
Cores will be stored for examination until 5 Years after Construction  
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-588)

HSS, form 138 (Rev. 8-99)

**SOIL BORING LOG**

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SECTION 34-5 LOCATION SW 14, SEC. 16, TWP. 5 N, RNG. 6 W, 4 PM

COUNTY Hancock DRILLING METHOD HSA HAMMER TYPE 140 # Auto

STRUCT. NO. 034-2014	D	B	U	M	Surface Water Elev. 518.0 ft			
Station 1296+25					Stream Bed Elev. No Data ft			
BORING NO. 8A	H	S	Q	T	Groundwater Elev. No Recorder ft			
Station 1296+50					Open Completion Cased ft			
Offset 7.00 ft					Other ft			
Ground Surface Elev. 545.0 ft	(R)	(F)	(W)	(W)	(C)	(S)	(M)	(H)

Grayish Brown Weathered Clayey SHALE

Begin Rock Core at 2.0' 541.80

Borehole continued with rock casing.

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (D-Edge, S-Shear, P-Perforator, B-Striated)  
Abbreviations W.O.H - Sampler Advanced by Weight of Hammer, W.O.P - Advanced by Weight of Pipe, H.S. - Before Sealing  
The SPT (N) value is the sum of the last two blow values in each sampling zone (ASTM D-1586, form 137 (Rev. 8-99))

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Gray Moderately Indurated Fossiliferous Crystalline LIMESTONE w/ Interbedded Argillaceous LIMESTONE and Clayey SHALE seams

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HSS, form 138 (Rev. 8-99)

ILLINOIS DEPARTMENT OF TRANSPORTATION

SHEET TITLE  
STRUCTURE NUMBER 037-0069  
DRAWING NUMBER 037-0069

PROJECT FAP ROUTE 315 (IL 336/US 136) SECTION 34-5(5B) HANCOCK COUNTY STA. 1293+50.00(R) TO STA. 1297+00.00(R) STRUCTURE NUMBER 034-2521	PROJECT NO. 02076-R SCALE 9450 DATE 12/22/05 DRAWN BY TFG CHECKED BY BD/MCB DRAWING NO.
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**COOMBE-BLOXDORF P.C.**  
Engineers / Land Surveyors  
Springfield, Illinois  
Design Firm License No. 184-002703

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OF 18 SHTS