STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation — ROCK CORE LOG

Division of Highways
SCI Engineering, Inc

Page 1 of 1
Date 08/30/06

ROUTE IL 158 DESCRIPTION Structure Boring LOGGED BY SCI
SECTION 67-1HBR LOCATION Columbia, IL, SEC. 23, TWP. 1, RNG. 10
COUNTY Monroe CORING METHOD
STRUCT. NO. 067-0006 (E), 067-0042 (P) CORING BARREL TYPE & SIZE
Station
Core Diameter in
BORING NO. B-2 Top of Rock Elev. 581.5 ft
Station 110+97 Begin Core Elev. 581.5 ft
Offset 35 ft R
Ground Surface Elev. 583 ft

Description	Elev.	Depth (ft)	Core (#)	Recovery (%)	R.Q.D. (%)	Core Time (min/ft)	Strength (tsf)
LIMESTONE: Gray, hard, finely crystalline, thick bedded with thin beds of gray shale, slightly weathered, dense	581.5		1	99	84	3.5	
		-5					
			2	96	95	5	
		-10					
SHALE: Gray	572.5		3	96	85	5	
LIMESTONE: Gray, hard, finely crystalline, thin bedded with thin beds of gray shale, slightly weathered, dense	569.0	-15					
	566.5		4	100	100	13	
Boring terminated at 16.5 feet.		-20					

Color pictures of the cores Yes
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)

Illinois Department of Transportation — SOIL BORING LOG

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Date 09/01/06

ROUTE IL 158 DESCRIPTION Structure Boring LOGGED BY SCI
SECTION 67-1HBR LOCATION Columbia, IL, SEC. 23, TWP. 1, RNG. 10
COUNTY Monroe DRILLING METHOD CME 550 w/HSA HAMMER TYPE Automatic
STRUCT. NO. 067-0006 (E), 067-0042(P)
Station
BORING NO. B-3
Station 112+16
Offset 21 ft L
Ground Surface Elev. 607 ft

Surface Water Elev. ft
Stream Bed Elev. ft
Groundwater Elev.:
First Encountered ft
Upon Completion ft
After Hrs. ft

Description	Elev.	Depth (ft)	Blows (/6")	UCS Qu (tsf)	Moist (%)
ASPHALTIC CONCRETE - 3 inches					
FILL: Brown and gray, medium plastic silty clay, trace sand and rock (A-7)			2 4 5	2.0 P	23
FILL: Brown and greenish gray, high plastic clay, trace sand (A-7)		-5	3 3 3	1.1 B	23
FILL: Reddish brown, medium plastic silty clay, trace sand (A-7)			2 3 4	1.9 B	21
FILL: Brown and gray, high plastic clay, trace sand (A-7)		-10	2 3 4	2.1 B	22
FILL: Reddish brown, medium plastic silty clay, trace sand (A-7)			3 5 4	3.2 B	21
FILL: Brown and gray, high plastic clay, trace sand (A-7)		-15	3 3 4	1.7 S/15	25
			3 3 4	1.4 S/15	22
		-20	2 6 7	2.9 S/15	23
SILTY CLAY: Brown, low plastic, trace sand, trace organics (A-6)			1 8 3	0.5 S/15	30
SANDY CLAY: Brown, low plastic, trace limestone rock (A-4)			6 50/3"	4.5 P	13
Borehole continued with rock coring.		-25			
		-30			
		-35			
		-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
AASHTO Classifications are based on visual classifications unless otherwise noted BBS, form 137 (Rev. 8-99)

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ROUTE IL 158 DESCRIPTION Structure Boring LOGGED BY SCI
SECTION 67-1HBR LOCATION Columbia, IL, SEC. 23, TWP. 1, RNG. 10
COUNTY Monroe CORING METHOD
STRUCT. NO. 067-0006 (E), 067-0042(P) CORING BARREL TYPE & SIZE
Station
Core Diameter in
BORING NO. B-3 Top of Rock Elev. 582.8 ft
Station 112+16 Begin Core Elev. 582.5 ft
Offset 21 ft L
Ground Surface Elev. 607 ft

Description	Elev.	Depth (ft)	Core (#)	Recovery (%)	R.Q.D. (%)	Core Time (min/ft)	Strength (tsf)
WEATHERED LIMESTONE: Gray	582.8						
LIMESTONE: Gray, moderately hard, finely crystalline, thin bedded, slightly to moderately weathered, dense	582.5	-25	1	97	58	6	
WEATHERED SHALE: Brown	581.5						
Approximately 2 inches void at 25.5 feet.	580.5						
SHALE: Gray Approximately 1 inch brown, clay seam at 27 feet.		-30	2	95	89	7	
LIMESTONE: Gray, hard, finely crystalline, thin bedded with thin beds of gray shale, slightly weathered, dense	573.3	-35	3	93	69	5	
	567.5						
Boring terminated at 39.5 feet.		-40					

Color pictures of the cores Yes
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)

DESIGNED	-
CHECKED	-
DRAWN	- GAP
CHECKED	- JPM

9-28-09

MACTEC

SOIL BORING LOGS II
STRUCTURE NO. 067-0042

SHEET NO.34	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
34 SHEETS	809	67-1HBR	Monroe	144	98
			CONTRACT NO. 76977		
	FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		