

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



ROCK CORE LOG

Page 1 of 1

Date 2/19, 27/2008

ROUTE FAP Route 10 DESCRIPTION IL Route 267 Bridge Replacement over Taylor Creek LOGGED BY Terra Drill/SCI

SECTION 410BR-1 LOCATION Rockbridge Township, SEC. 28, TWP. 10N, RNG. 10W

COUNTY Greene CORING METHOD Rotary, surface set diamond bit

STRUCT. NO. Existing 031-0018 CORING BARREL TYPE & SIZE NW conv dbl bbl split inner
Station _____
Core Diameter 1.9 In
BORING NO. B-1 Top of Rock Elev. 406.2 ft
Station 85+04 Bgn Core Elev. 406.2 ft
Offset 35 ft Lt.
Ground Surface Elev. 492.2 ft

DEPTH (ft)	REMARKS	REMARKS (%)	REMARKS (%)	REMARKS (min/ft)	REMARKS (tsf)
406.2	CLAYEY SHALE: Gray	1	90	45	
403.3	Moisture content - 10 percent Hand Penetrometer strength test - 4.5 tsf				
	Boring terminated at 89 feet.				
-90					
-95					
-100					
-105					

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)



SOIL BORING LOG

Page 1 of 2

Date 02/18/08

ROUTE FAP Route 10 DESCRIPTION IL Route 267 Bridge Replacement over Taylor Creek LOGGED BY Terra Drill/SCI

SECTION 410BR-1 LOCATION Rockbridge Township, SEC. 28, TWP. 10N, RNG. 10W

COUNTY Greene DRILLING METHOD CME 550 w/HSA HAMMER TYPE Automatic

STRUCT. NO. Existing 031-0018
Station _____
BORING NO. B-2
Station 86+29
Offset 58 ft Rt.
Ground Surface Elev. 508.2 ft

DEPTH (ft)	REMARKS	REMARKS (%)	REMARKS (%)	REMARKS (min/ft)	REMARKS (tsf)
507.1	TOPSOIL - 6 Inches FILL: Brown high plastic clay, some sand (A-7)	0		1.8	18
505.2	FILL: Brown, low plastic silty clay (A-6) and Brown, high plastic clay, some sand, trace brick (A-7)	1		<0.25	22
502.1	FILL: Brown, low plastic silty clay (A-7) and Brown, high plastic clay, some sand, trace gravel (A-7)	1		0.8	20
500.2	CLAY: Brown, high plastic, trace sand and gravel (A-7)	1		0.8	20
497.1	SILTY CLAY: Brown, low plastic, some sand, trace gravel and organics (A-6)	2		1.5	18
495.2	SANDY CLAY: Brown and gray, low plastic, trace gravel (A-6)	3		0.8	14
492.7	CLAY: Brown, high plastic, some sand, trace gravel (A-7)	0		0.5	22
	Becomes brownish gray	2		3.3	14

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)



SOIL BORING LOG

Page 2 of 2

Date 02/18/08

ROUTE FAP Route 10 DESCRIPTION IL Route 267 Bridge Replacement over Taylor Creek LOGGED BY Terra Drill/SCI

SECTION 410BR-1 LOCATION Rockbridge Township, SEC. 28, TWP. 10N, RNG. 10W

COUNTY Greene DRILLING METHOD CME 550 w/HSA HAMMER TYPE Automatic

STRUCT. NO. Existing 031-0018
Station _____
BORING NO. B-2
Station 86+29
Offset 58 ft Rt.
Ground Surface Elev. 508.2 ft

DEPTH (ft)	REMARKS	REMARKS (%)	REMARKS (%)	REMARKS (min/ft)	REMARKS (tsf)
	CLAY: Brown, high plastic, some sand, trace gravel (A-7) (continued)	3		2.9	15
	Grades to trace sand and gravel	5		1.2	20
	CLAY: Brown, high plastic, some sand, trace gravel (A-7) (continued)	6		1.2	19
	No recovery	5		1.1	23
	Boring terminated at 58.5 feet.	13		B	

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)

JD Johnson, Depp & Quisenberry
CONSULTING ENGINEERS
Springfield, Illinois

DESIGNED: K-E-G DRAWN: SJS
CHECKED: DCD CHECKED: DCD

SOIL BORINGS (2 OF 3)
ILLINOIS 267 OVER
TAYLOR CREEK
STRUCTURE NO. 031-0043

SHEET 18 OF 19	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10	410BR-1	GREENE	37	30
	STA. 85+20.50		CONTRACT NO. 76B58		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					