

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



Illinois Department of Transportation
Division of Highways
Kankakee Engineering Group

SOIL BORING LOG

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Date 5/27/09

ROUTE FAP 10 DESCRIPTION IL 267 over Bear Creek LOGGED BY KEG

SECTION 3B-1 LOCATION SEC. 9, TWP. 11N, RNG. 10W

COUNTY Greene DRILLING METHOD CME 55 LC/HSA HAMMER TYPE Automatic

STRUCT. NO. 031-0044
Station 222+94
BORING NO. B-1
Station 223+62
Offset 12.00ft Rt
Ground Surface Elev. 580.00 ft

DEPTH (ft)	TEST	UCS (psi)	DESCRIPTION	DEPTH (ft)	TEST	UCS (psi)
0			ASPHALT - 6 to 8 inches, underlain by crushed rock	0		
2	B	1.3	FILL: Brown and gray, high plastic clay, some sand, trace crushed rock (A-7)	2	B	1.3
3	P	22		3	P	22
5			FILL: Grayish brown and gray, low plastic silty clay (A-7)	5		
6	B	0.9		6	B	0.9
8	B	26		8	B	26
10			FILL: Grayish brown, low plastic silty clay, some sand, trace organics (A-6)	10		
14	B	0.8		14	B	0.8
15	S	15		15	S	15
17			FILL: Brown, low plastic sandy clay	17		
20	B	4.5		20	B	4.5
25	P	11		25	P	11
27			FILL: Grayish brown and brown, low plastic silty clay, trace to some sand (A-6)	27		
30	WH	1.8		30	WH	1.8
32	P	20		32	P	20
35			SILTY CLAY: Dark brown, low plastic, some sand (A-6)	35		
37			SANDY CLAY: Dark brown, low plastic, trace fine gravel (A-6)	37		
40	B	0.7		40	B	0.7
42	B	24		42	B	24
45				45		
48				48		
50				50		
52				52		
54				54		
56				56		
58				58		
60				60		
62				62		
64				64		
66				66		
68				68		
70				70		
72				72		
74				74		
76				76		
78				78		
80				80		
82				82		
84				84		
86				86		
88				88		
90				90		
92				92		
94				94		
96				96		
98				98		
100				100		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)



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SECTION 3B-1 LOCATION SEC. 9, TWP. 11N, RNG. 10W

COUNTY Greene DRILLING METHOD CME 55 LC/HSA HAMMER TYPE Automatic

STRUCT. NO. 031-0044
Station 222+94
BORING NO. B-1
Station 223+62
Offset 12.00ft Rt
Ground Surface Elev. 580.00 ft

DEPTH (ft)	TEST	UCS (psi)	DESCRIPTION	DEPTH (ft)	TEST	UCS (psi)
0			CLAYEY SHALE: Gray and dark gray (continued)	0		
2	B	1.9		2	B	1.9
3	S	35		3	S	35
5				5		
6	B	2.7		6	B	2.7
8	S	10		8	S	10
10				10		
13			With weathered limestone boulder	13		
14	B	0.5		14	B	0.5
15	S	15		15	S	15
17				17		
20	B	4.5		20	B	4.5
25	P	11		25	P	11
27				27		
30	WH	1.8		30	WH	1.8
32	P	20		32	P	20
35				35		
37				37		
40	B	0.7		40	B	0.7
42	B	24		42	B	24
45				45		
48				48		
50				50		
52				52		
54				54		
56				56		
58				58		
60				60		
62				62		
64				64		
66				66		
68				68		
70				70		
72				72		
74				74		
76				76		
78				78		
80				80		
82				82		
84				84		
86				86		
88				88		
90				90		
92				92		
94				94		
96				96		
98				98		
100				100		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

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ROCK CORE LOG

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Date 5/27/09

ROUTE FAP 10 DESCRIPTION IL 267 over Bear Creek LOGGED BY KEG

SECTION 3B-1 LOCATION SEC. 9, TWP. 11N, RNG. 10W

COUNTY Greene CORING METHOD Rotary, surface set diamond bit

STRUCT. NO. 031-0044
Station 222+94
BORING NO. B-1
Station 223+62
Offset 12.00ft Rt
Ground Surface Elev. 580.00 ft

DEPTH (ft)	RECOVERY (%)	REMARKS
0	20	CLAYEY SHALE: Gray and dark gray (continued)
2	91	Recovery percentage obtained from field log.
5		
10		
15		
20		
25		
30		
35		
40		
45		
50		
55		
60		
65		
70		
75		
80		
85		
90		
95		
100		

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)

Johnson, Depp & Quisenberry
CONSULTING ENGINEERS
Springfield, Illinois

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

SOIL BORINGS (1 OF 2)
STRUCTURE NO. 031-0044

SHEET 19 OF 20	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10	3B-1	GREENE	59	44
	STA. 222+94.00		CONTRACT NO. 76C15		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			