STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 545	114T-1	OGLE	118	58
FED. ROAD DIST. NO. 9	ILLINOIS	FED. AID PROJECT		

SHEET NO. 10
10 SHEETS

Contract # 64031

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 1

Date 4/27/06

ROUTE IL 72 DESCRIPTION P92-073-06 Box culvert, IL 72 over ditch, .3 m. W. of Fork Creek Road LOGGED BY J. Strating

SECTION LOCATION Forreston Twp. - 15 SE, SEC. , TWP. 25N, RNG. 7E

COUNTY Ogle DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. 071-1044
Station

BORING NO. B-1e
Station 30' East
Offset 29.50ft S CL
Ground Surface Elev. 95.3 ft

Surface Water Elev. ft
Stream Bed Elev. 93.3 ft

Groundwater Elev.:
First Encounter 73.3 ft
Upon Completion ft
After Hrs. ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
MEDIUM black SILTY CLAY LOAM			0.8 P	32
93.30				
MEDIUM black SILTY LOAM with 9% ORGANICS		2 3 4	0.7 B	42
91.80				
MEDIUM gray/green SILTY LOAM	-5	1 3 5	0.7 B	33
89.30				
SOFT gray SILTY LOAM		1 2 2	0.4 B	29
86.80				
MEDIUM tan SILTY LOAM with SAND lenses	-10	1 3 5	1.0 P	15
84.30				
MEDIUM tan/gray SILTY LOAM TILL		3 3 4	1.0 P	22
81.80				
MEDIUM tan/gray SILTY LOAM TILL	-15	3 2 4	0.5 P	15
79.30				
STIFF gray SILTY CLAY LOAM with SAND lens		3 2 7	1.4 B	21
76.80				
STIFF gray SILTY CLAY	-20			

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
STIFF gray SILTY CLAY (continued)		1 2 3	2.0 B	21
73.80				
MEDIUM tan/white weathered LIMESTONE		10 14 14		
71.80				
Same as above	-25	8 8 8		
69.30				
VERY DENSE tan weathered LIMESTONE		15 40 71		
66.80				
End of Boring	-40			

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, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 1

Date 6/1/06

ROUTE IL 72 DESCRIPTION P92-073-06 Box culvert, IL 72 over ditch, .3 m. W. of Fork Creek Road LOGGED BY W. Garza

SECTION LOCATION Forreston Twp. - 15 SE, SEC. , TWP. 25N, RNG. 7E

COUNTY Ogle DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

STRUCT. NO. 071-1044
Station

BORING NO. B-2e
Station 23' W. of Culv CL
Offset 11.00ft N CL
Ground Surface Elev. 99.4 ft

Surface Water Elev. ft
Stream Bed Elev. 93.3 ft

Groundwater Elev.:
First Encounter 76.9 ft
Upon Completion Dry ft
After Hrs. ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SOFT brown SILTY LOAM			0.4 P	
96.90				
MEDIUM dark brown LOAM		1 1 4	0.8 B	24
95.40				
STIFF dark brown SILTY LOAM	-5	2 3 3	1.1 B	37
92.90				
STIFF dark brown SILTY CLAY LOAM		1 1 4	1.2 B	33
90.40				
MEDIUM gray SILTY LOAM	-10	1 1 3	0.5 B	30
87.90				
MEDIUM gray SILTY LOAM with SAND lens		1 2 3	0.6 P	30
84.90				
MEDIUM gray fine SAND	-15	3 9 8		
82.40				
STIFF gray LOAM TILL		3 3 5	1.3 P	14
80.40	-20			

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
STIFF gray SANDY LOAM TILL		4 8 6	1.4 P	16
77.90				
STIFF gray SILTY CLAY TILL		3 3 5	1.2 B	17
75.40				
STIFF gray SILTY LOAM	-25	3 4 7	1.1 B	25
72.40				
VERY DENSE tan weathered LIMESTONE		2 16 42		
70.40	-30			
VERY DENSE tan weathered LIMESTONE		38 36 64/5"		
67.90				
End of Boring	-35			
	-40			

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, from 137 (Rev. 8-99)

DESIGNED -	ASP
CHECKED -	WSP
DRAWN -	BEM
CHECKED -	ASP

200

EXAMINED

ENGINEER OF BRIDGE DESIGN

PASSED

ENGINEER OF BRIDGES AND STRUCTURES

BORING LOG
F.A.P. 545 (IL. RTE. 72)
SECTION 114T-1
OGLE COUNTY
STATION 38+85.17
STRUCTURE NO. 071-1150