STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 545	114T-1	OGLE	118	67
FED. ROAD DIST. NO. 2	ILLINOIS	F.A.U. RTE. PROJECT		

SHEET NO. 05
05 SHEETS

Contract # 64C31

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 2

Date 4/21/06

ROUTE IL 72 DESCRIPTION P92-073-06 Box culvert (double), .6 m. E. of Mt. Vernon Road on IL 72 LOGGED BY J. Strating

SECTION LOCATION Forreston Twp. - 13SE, SEC. , TWP. 25N, RNG. 7E

COUNTY Ogle DRILLING METHOD HAMMER TYPE B-53 Diedrich Automatic

STRUCT. NO. 071-1041
Station -

BORING NO. B-2a
Station +40 W. of Culv. CL
Offset 29.00ft N CL
Ground Surface Elev. 96.4 ft

Surface Water Elev. ft
Stream Bed Elev. 93.0 ft

Groundwater Elev.:
First Encounter 84.4 ft ▼
Upon Completion ft
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Description
0				MEDIUM black SILTY CLAY LOAM
		0.8 P	21	
94.40				
	2 3 4	1.3 P	20	STIFF black SILTY CLAY LOAM
92.90				
-5	2 2 3	0.8 B	29	MEDIUM gray/brown SILTY CLAY LOAM
90.40				
	2 1 1	0.2 P	22	VERY SOFT gray/brown SILTY LOAM
87.40				
-10	1 2 33			DENSE tan/gray dirty SAND with GRAVEL
85.40				
	5 5 6			MEDIUM brown medium SAND with SILT lens
82.40				
-15	4 12 12	0.3 P	20	SOFT gray SILT
80.40				
	10 11 7	0.5 P	21	MEDIUM gray SILT
77.90				
-20				
	1 2 3	0.3 P	21	SOFT gray SILT with SILTY CLAY lenses *(continued)*
74.90				
	4 4 5			LOOSE gray dirty medium SAND with SILT lens
72.90				
-25	2 5 7			No Recovery
69.90				
	5 5 8	0.5 P	22	MEDIUM gray SILT with SILTY CLAY TILL lens
67.90				
-30	3 5 8	0.5 P	22	MEDIUM gray SILT
65.40				
	4 9 12	0.5 P	22	MEDIUM gray SILT
62.90				
-35	6 8 11	2.4 B	19	VERY STIFF gray SILT
60.40				
	6 7 8	0.5 P	20	MEDIUM gray SILT
57.90				
-40				MEDIUM gray SILT

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)

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Page 2 of 2

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Surface Water Elev. ft
Stream Bed Elev. 93.0 ft

Groundwater Elev.:
First Encounter 84.4 ft ▼
Upon Completion ft
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Description
	2 4 8	0.5 P	22	MEDIUM gray SILT *(continued)*
55.40				
				End of Boring
-45				
-50				
-55				
-60				

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 145+06.61
STRUCTURE NO. 071-1152