


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET NO.	TOTAL SHEETS
F.A.P. 545	114T-1	OGLE	118	62
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT		

SHEET NO. 04
04 SHEETS

Contract # 64C31



Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 1
Date 5/17/06

ROUTE IL 72 DESCRIPTION P92-073-06 Box culvert on IL 72, .3 m. E. of Mt. Vernon Road LOGGED BY W. Garza

SECTION _____ LOCATION Forreston Twp. - 13 SW, SEC., TWP. 26N, RNG. 7E


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

STRUCT. NO. 071-1042 Station _____

BORING NO. B-1b Station +18' W. of Culv. CL
Offset 11.00R S CL
Ground Surface Elev. 99.8 ft

DEPTH (ft)	BLOW COUNT (Blows/ft)	UNIFORMITY COEFFICIENT (Cu)	MOISTURE (%)	Soil Description	DEPTH (ft)	BLOW COUNT (Blows/ft)	UNIFORMITY COEFFICIENT (Cu)	MOISTURE (%)	Groundwater Elev.	
									ft	ft
0				MEDIUM brown SILTY CLAY LOAM	0				95.0	95.0
19.0	0.5	P	19	MEDIUM tan clean medium SAND	19.0	1				
30.0	2		30	MEDIUM tan fine SAND with SILTY CLAY lens	30.0	1				
33.0	1	0.3	30		33.0	3	0.6	25		
35.0	3	P			35.0	5				
57.0				MEDIUM brown SILTY LOAM	57.0	3				
60.0	1		31	STIFF tan SILTY CLAY with fine SAND lens	60.0	3				
63.0	1	0.5	31		63.0	3	1.1	24		
65.0	3	B			65.0	5				
87.0	2		28	MEDIUM tan/brown SILTY CLAY LOAM	87.0	4				
90.0	2	0.6	28	SOFT tan SILT with fine SAND lens	90.0	9	0.3	21		
93.0	3	P			93.0	12				
99.8				VERY SOFT tan SILTY CLAY LOAM	99.8	4				
100.0	2		27	MEDIUM tan clean medium SAND	100.0	5				
102.0	2	0.2	27		102.0	6				
105.0				No Recovery	105.0					
108.0	1				108.0	2				
110.0	2				110.0	3				
113.0	3			MEDIUM tan clean medium SAND	113.0	4				
115.0	4			LOOSE tan fine SAND	115.0	5				
117.0	5				117.0	3				
119.0	6			End of Boring due to inclement weather	119.0	5				
121.0					121.0					
123.0	4			MEDIUM tan clean medium SAND	123.0	4				
125.0	5			End of Boring	125.0	5				
127.0	9				127.0					
130.0					130.0					

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 4/6/06

ROUTE IL 72 DESCRIPTION P92-073-06 Box culvert (double), .3 m. E. of Mt. Vernon Road LOGGED BY J. Straling

SECTION _____ LOCATION Forreston Twp. - 13 SW, SEC., TWP. 26N, RNG. 7E

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

STRUCT. NO. 071-1042 Station _____

BORING NO. B-2b Station +10 East
Offset 43.00R N CL
Ground Surface Elev. 97.3 ft

DEPTH (ft)	BLOW COUNT (Blows/ft)	UNIFORMITY COEFFICIENT (Cu)	MOISTURE (%)	Soil Description	DEPTH (ft)	BLOW COUNT (Blows/ft)	UNIFORMITY COEFFICIENT (Cu)	MOISTURE (%)	Groundwater Elev.	
									ft	ft
0				MEDIUM dark brown SILTY LOAM	0				95.5	95.0
31.0	0.8	P	31	MEDIUM brown dirty SAND & GRAVEL (continued)	31.0	2				
35.0					35.0	5				
55.0	2			MEDIUM dark brown SILTY LOAM	55.0	2				
60.0	3	1.0	25	MEDIUM tan fine SAND	60.0	3				
65.0	6	P			65.0	6				
73.0				MEDIUM gray/brown SILTY CLAY LOAM	73.0	2				
75.0	4	1.0	28	MEDIUM tan SAND with GRAVEL	75.0	4				
77.0	5	B			77.0	5				
80.0				LOOSE brown dirty medium SAND	80.0	2				
83.0	2			SOFT gray SILT	83.0	2				
85.0	2		21		85.0	6	0.3	21		
87.0	3	P			87.0	7				
90.0				LOOSE tan/brown clean medium SAND	90.0	3				
93.0	4			MEDIUM gray SILT	93.0	5				
95.0	4		20		95.0	5	0.5	20		
97.0	5	P			97.0	7				
100.0				MEDIUM tan clean medium SAND	100.0	5				
103.0	8			MEDIUM tan/gray SILT	103.0	6	0.5	20		
106.0	10				106.0	7				
110.0				STIFF tan LOAM (fill)	110.0	2				
113.0	5		18	MEDIUM tan/gray SILT	113.0	3				
116.0	5				116.0	5	0.5	18		
121.0				STIFF tan LOAM (fill) with LIMESTONE	121.0	3				
124.0	4	1.4	13		124.0	4				
127.0	12	B		End of Boring	127.0	12				
130.0					130.0					

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 121+43.48
STRUCTURE NO. 071-1151