



Illinois Department of Transportation
Division of Highways
State Capital Complex

SOIL BORING LOG

Page 1 of 2

Date 04/01

ROUTE IL Route 174 DESCRIPTION Structure Soil Boring for Box Culvert Over Barrage Lake Drain LOGGED BY Adam Gilinski

SECTION LOCATION SW 1/4 SEC. 27 TWP. 44 N. RNG. 9 E. 3rd PM

COUNTY Lake DRILLING METHOD CME-75U HAMMER TYPE CME Automatic

STRUCT. NO.	049 2002	DEPT	U	M	Surface Water Elev.	ft	DEPT	U	M
Station	44+11	W	C	D	Stream Bed Elev.	ft	P	S	O
BORING NO.	SL-1	T	S	I	Groundwater Elev. First Encounter	ft	H	S	I
Offset	18.00 FT of CL	W	W	W	Upon Completion	ft	S	W	S
Ground Surface Elev.	743.11	H	W	W	After	ft	H	S	W
SAND and GRAVEL Shoulder	748.0'	1	1	1	Stiff Gray CLAY (continued)	748.0	2	1.2	20
Medium Stiff Mottled Brown, Black and Yellow SANDY CLAY LOAM	745.0'	2	1	1	Medium Stiff Gray SILTY CLAY	745.0	3	0.9	20
Medium Stiff Brown and Gray SILTY CLAY LOAM	744.0'	2	1	1	Silt Seam (1/2")	744.0	3	0.9	20
Hard Mottled Brown and Gray SILTY CLAY	741.0'	3	1	1	Dark and Gray Silt Seam (1/2")	741.0	3	0.9	20
Gravel to brown	741.0'	4	1	1	Medium Dense Gray SILT with Black Shrink	741.0	3	0.9	20
Stiff Gray CLAY	737.0'	7	1	1	Very Stiff Brown SILTY CLAY	737.0	4	3.5	14
Silt Seam (1/2")	733.0'	2	1	1	Medium Dense Brown SILT	733.0	7	1.0	20
		2	1	1	Very Stiff Brown SILTY CLAY	733.0	10	1.4	21
		3	1	1		731.0	11	1.2	21

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 at each sampling zone (AASHTO T208) BBS, from 137 (Rev. 8-89)



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BORING NO.	SL-1	T	S	I	Groundwater Elev. First Encounter	ft	H	S	I
Offset	18.00 FT of CL	W	W	W	Upon Completion	ft	S	W	S
Ground Surface Elev.	743.11	H	W	W	After	ft	H	S	W
Very Stiff Brown SILTY CLAY (continued)	702.0'	1	1	1		702.0	3	2.1	17
End of Boring									

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 at each sampling zone (AASHTO T208) BBS, from 137 (Rev. 8-89)



USER NAME =	DESIGNED - JSG	REVISED -
PLOT SCALE =	CHECKED - LRG	REVISED -
PLOT DATE =	DRAWN - MPS	REVISED -
	CHECKED - JXH	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS
STRUCTURE No. 049-0197 STA. 45 + 00.00
SHEET NO. SB9 OF SB10 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
335	145 X-T	LAKE	80	43
CONTRACT NO. 62187				
DATE: 09-14-2011 ILLINOIS FED. AID PROJECT				