


BORING LOGS



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation/D-2

SOIL BORING LOG

Page 1 of 1
Date 6/21/06

ROUTE US 150 DESCRIPTION P92-053-07 Box culvert on US 150, .6 m. N. of IL 17W LOGGED BY W. Garza

SECTION _____ LOCATION Oxford Twp. - 9SE, SEC., TWP. 14N, RNG. 1E

COUNTY Henry DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diederich Automatic


STRUCT. NO. 037-1013
Station _____

BORING NO. B-2a
Station 30' N.
Offset 65.00ft E CL
Ground Surface Elev. 88.30 ft

DEPTH (ft)	BULGE (in)	SHEAR (tsf)	PENETROMETER (%)	DESCRIPTION	DEPTH (ft)	BULGE (in)	SHEAR (tsf)	PENETROMETER (%)
				Surface Water Elev. _____ ft				
				Stream Bed Elev. <u>86.00</u> ft				
				Groundwater Elev.: _____ ft				
				First Encounter _____ ft				
				Upon Completion _____ ft				
				After _____ Hrs. _____ ft				
67.30			1.2	VERY STIFF gray SILTY CLAY LOAM TILL (continued)	67.30	11	2.7	14.0
86.30			3	VERY STIFF brown SILTY CLAY LOAM		5		
84.80			3	VERY STIFF brown SILTY CLAY LOAM	84.80	8	3.3	14.0
			6			11	B	
82.30			2	MEDIUM dark brown SILTY CLAY LOAM	82.30	3		
			2	VERY STIFF gray SILTY CLAY LOAM TILL		6	2.5	15.0
			6			9	B	
79.80			1	SOFT dark brown SILTY CLAY LOAM	79.80	4		
			3	VERY STIFF gray SILTY CLAY LOAM TILL		7	2.3	16.0
			3			8	B	
77.30			2	VERY SOFT gray SANDY LOAM	77.30	4		
			2	VERY STIFF gray SILTY CLAY LOAM TILL		6	2.5	15.0
			2			8	B	
74.80			1	MEDIUM gray LOAM TILL	74.80	4		
			1	VERY STIFF gray SILTY CLAY LOAM		6	2.1	17.0
			3			8	B	
72.30			4	VERY STIFF gray LOAM TILL	72.30	4		
			6	VERY STIFF gray SILTY CLAY LOAM		6	2.7	18.0
			9			8	B	
69.80			5	VERY STIFF gray LOAM TILL	69.80	6		
			8	VERY STIFF gray SILTY CLAY TILL		7	2.9	18.0
			10			11	B	
			5	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 in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)



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SOIL BORING LOG

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Date 9/19/07

ROUTE US 150 DESCRIPTION P92-053-07 US 150 over ditch, .7 m. N. of IL 17W LOGGED BY W. Garza

SECTION _____ LOCATION Oxford Twp. - 9SE, SEC., TWP. 14N, RNG. 1E

COUNTY Henry DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diederich Automatic

STRUCT. NO. 037-1012
Station 787+00

BORING NO. B-2b
Station 787+94
Offset 68.00ft Lt CL
Ground Surface Elev. 88.10 ft

DEPTH (ft)	BULGE (in)	SHEAR (tsf)	PENETROMETER (%)	DESCRIPTION	DEPTH (ft)	BULGE (in)	SHEAR (tsf)	PENETROMETER (%)
				Surface Water Elev. <u>87.10</u> ft				
				Stream Bed Elev. <u>87.00</u> ft				
				Groundwater Elev.: _____ ft				
				First Encounter <u>75.6</u> ft				
				Upon Completion <u>Dry</u> ft				
				After <u>24</u> Hrs. <u>63.1</u> ft				
66.60			0.5	MEDIUM brown SILTY CLAY LOAM	66.60	5	2.7	17.0
85.60			4	VERY STIFF dark gray SILTY CLAY LOAM	85.60	3		
84.10			6	VERY STIFF gray SILTY CLAY LOAM TILL	84.10	6	3.3	15.0
			8			11	B	
63.60			4	MEDIUM gray dirty SAND	63.60	4		
			4	VERY STIFF brown SILTY CLAY LOAM		5		
			5			11		
61.10			2	MEDIUM gray SILTY CLAY	61.10	4		
			2	VERY STIFF gray SILTY CLAY LOAM TILL with SAND lens		7	3.9	18.0
			3			10	B	
59.10			1	SOFT tan SANDY LOAM	59.10	5		
			2	HARD gray SILTY CLAY LOAM TILL		8	4.1	16.0
			2			12	B	
56.60			0	End of Boring	56.60			
			1	MEDIUM gray/tan SILTY CLAY LOAM with wet SAND lens		1	0.7	21.0
			2			2	B	
74.10			2	VERY STIFF gray SILTY CLAY LOAM TILL	74.10	5	3.3	17.0
			9			9	B	
71.60			4	VERY STIFF gray SILTY CLAY LOAM TILL	71.60	4		
			7	VERY STIFF gray SILTY CLAY LOAM TILL		7	3.3	18.0
			10			10	B	

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BBS, from 137 (Rev. 8-99)