
Illinois Department of Transportation
 Division of Highways
 IDOT - Dist 5

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SOIL BORING LOG

Date 8/9/61

ROUTE FAP 749 (IL 133) DESCRIPTION Little Embarras River on IL 133 LOGGED BY Hough
 SECTION (122BR)BR LOCATION NE. SEC. 20, TWP. 14N, RNG. 14W, 3rd PM
 COUNTY Coles DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic


STRUCT. NO. 015-0031
 Station 933+50

BORING NO. 5 Widening
 Station 934+03
 Offset 20.0 R.L.L.
 Ground Surface Elev. 621.40 ft (ft) (ft) (12") (tsf) (%)

SOIL DESCRIPTION	Elev. (ft)	D (ft)	B (ft)	U (tsf)	M (%)	SPT				
						Blows	Pen. (ft)	Pen. (ft)	Pen. (ft)	
Surface Water Elev. _____ ft										
Stream Bed Elev. _____ ft										
Groundwater Elev.: _____ ft										
First Encounter _____ ft										
Upon Completion _____ ft										
After _____ Hrs. _____ ft										
Medium Brown Sand										
Hard Brown Gray Mottled Sand Loam Till (continued)						75				11
Glacial Boulder	599.4									
Hard Brown Gray Mottled Sand Loam Till (No Penetration in 15 Blows - Spoon Bounced)	592.4									
End of Boring										
Medium Dark Gray Brown Mottled Sand Loam Interlayered w/Fine Dark Gray Sand	618.4									
Cobble Layer	613.8									
Very Stiff Brown & Gray Mottled Clay Till			19	2.8	14					
				B						
Very Stiff Brown Gray Mottled Clay Loam Till	610.7		28	2.4	18					
				B						
Very Stiff Brown Gray Mottled Clay Till	608.9		45	2.7	18					
				S						
Hard Brown Mottled Clay Loam Till	608.4									
			32	4.9	9					
				S						
Very Stiff Gray Brown Mottled Clay Till	605.4		18	3.1	21					
				S						
Hard Brown Gray Mottled Sand Loam Till	602.9									

An assumed centerline elevation of 100.00 and station of 10+00 is used when this information is not available.
 The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, E-Estimate)
 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T208)
 BBS, from 137 (Rev. 8-69)

Note that blow counts shown above are for 12" penetration in lieu of the typical 6" shown on borings 1, 2, & 3.


Illinois Department of Transportation
 Division of Highways
 IDOT - Dist 5

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SOIL BORING LOG

Date 8/10/61

ROUTE FAP 749 (IL 133) DESCRIPTION Little Embarras River on IL 133 LOGGED BY Hough
 SECTION (122BR)BR LOCATION NE. SEC. 20, TWP. 14N, RNG. 14W, 3rd PM
 COUNTY Coles DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 015-0031
 Station 933+50

BORING NO. 6 Widening
 Station 932+39
 Offset 21.0 R.L.L.
 Ground Surface Elev. 636.00 ft (ft) (ft) (12") (tsf) (%)

SOIL DESCRIPTION	Elev. (ft)	D (ft)	B (ft)	U (tsf)	M (%)	SPT				
						Blows	Pen. (ft)	Pen. (ft)	Pen. (ft)	
Surface Water Elev. _____ ft										
Stream Bed Elev. _____ ft										
Groundwater Elev.: _____ ft										
First Encounter _____ ft										
Upon Completion _____ ft										
After _____ Hrs. _____ ft										
Medium Brown Clay Loam (Partly Calcareous Backfill)	615.5					28			4.9	12
Hard Gray Clay Loam Till										
Very Dense Fine Gray Sand	614.0					79			10.2	7
									S	
Hard Gray Clay Loam Till Interlayered w/Fine Gray Sand Lenses	613.0									
						47			12.1	10
									NF	
End of Boring	610.5									
Stiff Brown Gray Mottled Sand Loam	627.5									
Free Water	625.5									
Stiff Brown Gray Mottled Sand Loam	624.5		12		21					
Stiff Gray Brown Mottled Silty Clay Till	624.5									
			10	2.2	21					
				B						
			14	2.8	18					
				S						
Stiff Green Gray Mottled & Dark Gray to Black Sand Loam Till	619.5									
			16		15					

An assumed centerline elevation of 100.00 and station of 10+00 is used when this information is not available.
 The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, E-Estimate)
 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T208)
 BBS, from 137 (Rev. 8-69)

Note that blow counts shown above are for 12" penetration in lieu of the typical 6" shown on borings 1, 2, & 3.

ILLINOIS DEPARTMENT OF TRANSPORTATION
BORING LOGS SHEET 3 OF 3
 IL ROUTE 133 OVER THE
 LITTLE EMBARRAS RIVER
 F.A.P. ROUTE 749 SECTION (122BR)BR
 COLES COUNTY
 STATION 933+50.00
 STRUCTURE NO. 015-0074

DRAWN BY: MLO
 CHECKED BY: PBB
 DATE: MARCH 2006