



Illinois Department of Transportation
 Division of Highways
 Illinois Department of Transportation

SOIL BORING LOG

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Date 10/17/08

ROUTE FAP 332 (IL 1) DESCRIPTION Greathouse Creek at SW edge of Mt. Carmel LOGGED BY E. Sandschafer

SECTION (103B)B-1 LOCATION NE 1/4, SEC. 30, TWP. 1 S, RNG. 12 W, 3 PM

COUNTY Wabash DRILLING METHOD Hollow stem auger & split spoon HAMMER TYPE Auto 140#

STRUCT. NO.	093-0008	D E L C U M P O S T W S Qu T				Surface Water Elev.	388.20 ft	D E L C U M P O S T W S Qu T			
Station	850+32					Stream Bed Elev.	385.46 ft				
BORING NO.	1 S Abut					Groundwater Elev.:					
Station	850+52					First Encounter	369.4 ft				
Offset	15.50ft Lt					Upon Completion	387.4 ft				
Ground Surface Elev.	403.94 ft	(ft)	(/6")	(tsf)	(%)	After 72 Hrs.	391.9 ft	(ft)	(/6")	(tsf)	(%)
6" mixture of aggregate and Clay shoulder.						Very stiff, damp, red/gray/brown, SILTY CLAY.					
Brown, SILTY LOAM.											
403.44											
401.94											
Stiff, damp, brown, SILTY CLAY LOAM.											
24											
45 1.1 14											
15 S											
-5 4											
7 2.0 19											
6 S											
396.94											
Stiff, damp, brown/red/gray, SILTY CLAY.											
2											
4 1.2 19											
5 B											
-10 3											
4 1.2 21											
5 B											
391.64											
Soft, very damp, brown mottled gray, LOAM.											
1											
2 0.3 23											
1 B											
389.44											
Hard, damp, red/gray/brown, SILTY CLAY.						Medium, wet, gray, fine grained, SAND. 10% passing #200 sieve.					
-15 2						369.44					
4 4.9 31						-35 1					
7 B						7 17					
3											
5 2.8 22											
7 B											
383.94											
-20 3						10% passing #200 sieve. 363.94 -40 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)



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Medium, damp, gray, SANDY LOAM.						Hard, damp, gray, CLAY LOAM TILL. Very hard drilling. (continued)					
4											
359.44											
Medium, wet, gray, fine grained, SAND. 11% passing #200 sieve.											
-45 3						-65					
7 0.8 24											
4						15					
354.44											
Very stiff, damp, gray, SANDY CLAY.											
-50 6						-70 7					
7 2.7 20						13 4.6 13					
9 B						18 B					
344.44						324.44					
-60 20						-80 19					

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