

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

#62391



SOIL BORING LOG

Page 1 of 2

Date 1/29/02

ROUTE FAP Route 66 DESCRIPTION US 14 Over Lawrence Creek LOGGED BY Tal Salaymeh

SECTION LOCATION NE1/4, SEC. 1, TWP. 46N, RNG. 5E, 3rd PM

COUNTY McHenry DRILLING METHOD CME-750, 3.25" ID HSA HAMMER TYPE CME Automatic

STRUCT. NO. 056-2000(Exis.) 056-3168 (Prop.) Station 110+00	BORING NO. B-1 Station 110+20 Offset 17.00ft RTof CL Ground Surface Elev. 960.30 ft	D E P T H	B L O W S	U C S Qu	M O I S T	Surface Water Elev. 953.22 ft Stream Bed Elev. 952.72 ft Groundwater Elev.: First Encounter 953.3 ft ∇ Upon Completion 953.1 ft ∇ After Hrs.	D E P T H	B L O W S	U C S Qu	M O I S T				
											(ft)	(/6")	(tsf)	(%)
Brown SAND and GRAVEL (Shoulder)														
958.30														
Medium Stiff Brown SANDY LOAM														
2														
3 1.0 11														
3 P														
955.80														
Medium Dense Light Brown SAND and GRAVEL														
-5 4														
5 7														
7														
Grades to Stiff														
4														
8 13														
18														
930.80														
Very Stiff Gray SILTY CLAY with Trace Pebbles														
-10 4														
9 10														
19														
Grades with Fine Sand														
Start Washing														
12														
25 10														
23														
-15 4														
10 12														
8														
943.30														
Very Stiff Grayish Brown SILTY CLAY with Trace Pebbles														
4														
8 2.1 12														
9 B														
-20														

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
1 = 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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											(ft)	(/6")	(tsf)	(%)
Very Stiff Gray SILTY CLAY with Trace Pebbles (continued)														
4														
7 2.7 12														
9 B														
913.80														
Wash from 12.5 to 21.5 feet. end of Boring														
-45 3														
7 2.5 11														
8 B														
-50														
-55														
-60														

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DESIGNED RFS
CHECKED LLP
DRAWN JPG
CHECKED RFS

EXAMINED
PASSED
ENGINEER OF BRIDGE DESIGN
ENGINEER OF BRIDGES AND STRUCTURES

BORING LOG 1
U.S. ROUTE 14
(NORTHWEST HIGHWAY)
OVER LAWRENCE CREEK
FAP 066 SECTION 2/B&G/R
McHENRY COUNTY
STATION 110+00.00
STRUCTURE NO. 056-0074