



Illinois Department of Transportation
Division of Highways
DOT DISTRICT #

SOIL BORING LOG

Page 2 of 3

Date 5/20/03

ROUTE FAI 79FAU 8021 DESCRIPTION MacArthur over I-72 LOGGED BY M. Tappan
SECTION (84-9-4)HBK,BY,BY-1 LOCATION NE 14, SEC. 20, TWP. 16 N, RNG. 5 W, 3 PM
COUNTY Sangamon DRILLING METHOD HSA HAMMER TYPE 140# Auto

STRUCT. NO.	STATION	BORING NO.	STATION	OFFSET	GROUND SURFACE ELEV.	(R)	(B)	(U)	(M)	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.	First Encounter	Upon Completion	After	Hrs.
084-0513	792+77.54	MAS-9 Center Pier	792+78	35.00ft Right	613.4		6"	(nd)	(%)	NA	NA	588.9	588.9	588.4	120	
Brown and Blue Grey Moist CLAY LOAM (TII) (continued)																
84																
8-14																
Grey Moist Finish Clayey SHALE 870.80																
3																
9																
16																
36																
12																
37																
63																
13																
7																
41																
59																
13																
87.90																
18																

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 (ASTM D1586)
EBS, from 137 (Rev. 8-99)



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084-0513	792+77.54	MAS-9 N. Abut	794+03	35.00ft Left	600.1		6"	(nd)	(%)	NA	NA	588.1	588.1	597.6	120	
Tan and Light Grey Moist SILT																
0																
1																
0.8																
27																
2																
B																
1																
2																
0.9																
27																
3																
B																
588.00																
Brown and Grey V. Moist SILTY CLAY																
0																
1																
0.3																
27																
2																
B																
0																
1																
0.5																
26																
2																
B																
597.00																
Brown and Grey Moist SILTY CLAY (TII)																
0																
1																
0.9																
25																
2																
B																
596.10																
Light Blue Grey V. Moist CLAY LOAM (TII)																
0																
0																
0.3																
20																
3																
B																
4																
14																
8.8																
9																
22																
S-12																
14																
581.10																
Greyish Brown																
17																
100																
14																
19																
S-12																
14																
581.00																

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084-0513	792+77.54	MAS-10 N. Abut	794+00	35.00ft Right	601.0		6"	(nd)	(%)	NA	NA	588.0	588.0	597.5	120	
Tan and Light Grey Moist SILT																
0																
49																
6.9																
11																
17																
B																
1																
0.7																
28																
2																
B																
0																
2																
1.7																
30																
2																
B																
588.00																
Brown and Grey Moist SILTY CLAY																
0																
2																
0.7																
22																
2																
B																
0																
1																
0.5																
26																
2																
B																
588.00																
Brown and Grey Moist Weathered SILTY CLAY (TII)																
0																
1																
0.7																
27																
2																
B																
587.00																
Dark Grey Moist Finish Clayey SHALE																
30																
70																
14																
5"																
0																
1																
0.5																
29																
2																
B																
588.00																
Brown and Grey Moist CLAY LOAM (TII)																
2																
14																
5.3																
10																
14																
19																
S-12																
14																
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EBS, from 137 (Rev. 8-99)

LAYOUT 10/22/04
DRAWN 01/04/05
REVIEWED JMM 02/02/05

Corporate License Number 184-001-084

BORINGS
MACARTHUR BLVD. OVER F.A.I. 72
SECTION (84-9-4)A,HBK,BY,BY-1
SANGAMON COUNTY
STATION 792+77.54
STRUCTURE NUMBER 084-0513

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DATE 02/02/05