



Illinois Department of Transportation  
Division of Highways  
District #3, Ottawa

# SOIL BORING LOG

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Date 3/15/10

ROUTE I-80 & Brisbin Road Interchange DESCRIPTION Interchange Lighting LOGGED BY Larry Myers

SECTION (32, 47-4)HBK-4 & (G) N LOCATION SW 1/4, SEC. 18, TWP. 34N, RNG. 8E

COUNTY Grundy DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO.	Station	DEPTH	BLOW	UCS	MOIST	Surface Water Elev.	Stream Bed Elev.	DEPTH	BLOW	UCS	MOIST
BORING NO.	Station	Offset	Ground Surface Elev.	(ft)	(/6")	(tsf)	(%)	(ft)	(/6")	(tsf)	(%)
Tower #13	1419+15		544.02								
3016	1419+17	97.00ft Lt	544.02								
Augered, Black, Silty Clay Loam, Fill											
Limestone Surface											
End of Boring											
100/2' no recovery											
541.52											
Very Stiff, Black, Silty Clay Loam, Fill											
541.02											
4											
2.5											
22.6											
4											
P											
Stiff, Brown/Gray, Sandy Loam											
4											
1.5											
16.1											
539.52											
Hard, Brown, Silty Loam with Sand Seams											
-5											
4											
7											
>4.5											
13.3											
9											
P											
537.02											
Dense, Brown & Gray, Fine Sand to Medium Gravel with Several Layers of Gray, Silt/Silty Loam with Free Water											
17											
19											
13.2											
26											
-10											
14											
27											
12.9											
22											
532.02											
Very Hard, Silty Clay Loam/Silty Loam, Till											
27											
100/4' >4.5											
6.9											
-15											
22											
28											
>4.5											
11.8											
34											
41											
46											
>4.5											
10.9											
36											
524.52											
Auger Refusal @ 19.5', Assumed											
-20											
-40											

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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STRUCT. NO.	Station	DEPTH	BLOW	UCS	MOIST	Surface Water Elev.	Stream Bed Elev.	DEPTH	BLOW	UCS	MOIST
BORING NO.	Station	Offset	Ground Surface Elev.	(ft)	(/6")	(tsf)	(%)	(ft)	(/6")	(tsf)	(%)
Tower #14	230+95		544.77								
3018	231+00	25.00ft Rt	544.77								
Augered, Black, Silty Clay Loam, Fill & Sand/Gravel Fill											
Hard, Gray, Silty Loam, Till (continued)											
27											
31											
>4.5											
8.9											
43											
542.27											
Very Stiff, Brown, Silty Loam, Till											
3											
5											
3.0											
12.5											
7											
P											
540.27											
Dense, Very Loamy, Fine to Coarse Gravel											
-5											
16											
18											
7.2											
27											
537.77											
Very Stiff, Gray, Silty Loam, Till											
5											
7											
3.0											
8.9											
8											
P											
535.27											
Hard, Gray, Silty Loam, Till											
∇-10											
14											
18											
6.1											
9.0											
21											
S											
532.27											
Dense, Gray, Fine Sand to Coarse Gravel with Layers of Fine/Medium, Sand & Free Water											
9											
11											
14.0											
17											
-15											
11											
14											
20.6											
21											
27											
54											
8.6											
86											
525.27											
Hard, Gray, Silty Loam, Till											
-20											
-40											

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