

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 90 91 SHEETS
F. A. I. 80/94	*	COOK	870	604	
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT-		
(0203.1 & 0312-708W) R-3				CONTRACT NO. 62108	

Illinois Department of Transportation  
Division of Highways  
ILLINOIS DEPARTMENT OF TRANSPORTATION

SOIL BORING LOG Page 1 of 1  
Date 4/29/04

ROUTE FAP 332 (IL 394) DESCRIPTION Over Thorn Creek LOGGED BY Mark Dell  
SECTION (0203.1 7 0312-708W) R-3 LOCATION NE 1/4, SEC. 26, TWP. 15, RNG. 36, 3rd PM  
COUNTY Cook DRILLING METHOD CME 750, 3.25 In ID HSA HAMMER TYPE CME Automatic

STRUCT. NO. 016-2800  
Station \_\_\_\_\_  
BORING NO. HN-5  
Station 440+518  
Offset 0.00m On Prop. Baseline  
Ground Surface Elev. 182.68 m

DEPTH (m)	DEPTH (ft)	U	B	S	M	Surface Water Elev. (m)	Stream Bed Elev. (m)
0	0						
4	13						
4	13		374	17			
4	13		B				
181.31							
-1.5							
4	13		192	15			
4	13		P				
180.24							
2	7		144	19			
1	3		120	21			
3	10		P				
179.64							
2	7		240	23			
3	10		B				
3	10		441	20			
8	26		B				
-4.5							
3	10		431	20			
6	20		B				
3	10		680	20			
5	17		B				
5	17		192	19			
5	17		B				
176.89							
-6.0							

Very Stiff Gray and Gray Brown CLAY (FILL)  
SHIFF to Very Stiff Dark Gray to Gray CLAY LOAM  
Grades to Gray and Brown  
SHIFF Gray and Brown SILTY CLAY, With Sand Seams  
Very Stiff to Hard Gray Brown and Brown CLAY  
Approximate 7 cm thick silt seam encountered at about 3.4 meters.  
Grades to Gray  
End of Boring

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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SECTION (0203.1 7 0312-708W) R-3 LOCATION NE 1/4, SEC. 26, TWP. 15, RNG. 36, 3rd PM  
COUNTY Cook DRILLING METHOD CME 750, 3.25 In ID HSA HAMMER TYPE CME Automatic

STRUCT. NO. 016-2800  
Station \_\_\_\_\_  
BORING NO. HN-6  
Station 440+518  
Offset 14.40m Lt of Prop. Baseline  
Ground Surface Elev. 181.41 m

DEPTH (m)	DEPTH (ft)	U	B	S	M	Surface Water Elev. (m)	Stream Bed Elev. (m)
0	0						
2	7						
3	10		287				
4	13		P				
-1.5							
3	10		211	21			
4	13		B				
2	7						
4	13		182	24			
5	17		B				
-3.0							
2	7		249	21			
4	13		B				
2	7						
2	7		163	20			
4	13		B				
-4.5							
2	7		144	19			
3	10		B				
4	13						
2	7						
3	10		201	20			
5	17		B				
175.62							
-6.0							

SHIFF to Very Stiff Brown and Gray CLAY, With Occasional Silt and Sand Seams  
Grades to Gray  
Multiple brown and gray silt seams encountered.  
Grades to Gray Brown and Gray  
End of Boring

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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COUNTY Cook DRILLING METHOD CME 750, 3.25 In ID HSA HAMMER TYPE CME Automatic

STRUCT. NO. 016-2800  
Station \_\_\_\_\_  
BORING NO. HN-7  
Station 440+527  
Offset 1.83m Lt of Prop. Baseline  
Ground Surface Elev. 182.26 m

DEPTH (m)	DEPTH (ft)	U	B	S	M	Surface Water Elev. (m)	Stream Bed Elev. (m)
0	0						
2	7						
3	10		211	17			
3	10		11.5Z				
180.89							
-1.5							
3	10		59	22			
2	7		B				
180.13							
1	3		125	29			
2	7		B				
-3.0							
0	0						
2	7		86	27			
2	7		B				
1	3						
2	7		77	21			
1	3		B				
-4.5							
0	0						
2	7		48	25			
2	7		B				
176.93							
3	10						
8	26		691	17			
11	36		B				
-6.0							

Very Stiff Gray and Brown Gray CLAY LOAM (FILL)  
Hard Gray CLAY, Trace Sand and Gravel (continued)  
End of Boring  
Medium Dark Gray SANDY CLAY LOAM  
SHIFF Gray and Brown Gray SILTY CLAY, With Occasional Silt and Sand Seams  
Grades to Medium  
Grades to Gray  
No recovery initially drove sampler again to obtain sample.  
Hard Gray CLAY, Trace Sand and Gravel

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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DESIGNED	PCA
CHECKED	MEA
DRAWN	LK
CHECKED	MEA

ILLINOIS DEPARTMENT OF TRANSPORTATION  
I-94 EAST BOUND / IL 394 SOUTH BOUND  
SOIL BORING LOGS  
HN-05, HN-06 & HN-07  
SB IL ROUTE 394 / RAMP F OVER THORN CREEK  
F.A.P. 332 SECTION (0203.1 & 0312-708W) R-3  
COOK COUNTY  
STA. 440+704.350 STRUCTURE NO. 016-2800/2845  
DATE JUL 18, 2005  
SCALE ---  
**HNTB**