

Illinois Department of Transportation  
Division of Highways  
Applied Geotechnics

SOIL BORING LOG Page 1 of 2  
Date 5/5/06

ROUTE FAU 1537 DESCRIPTION LOCATION SEC. TWP. RNG. LOGGED BY ND

SECTION COUNTY Cook DRILLING METHOD ss HAMMER TYPE

STRUCT. NO. Station  
BORING NO. B-4  
Station  
Offset  
Ground Surface Elev. 619.00 ft (ft) (/6") (tsf) (%)

Surface Water Elev. \_\_\_\_\_ ft  
Stream Bed Elev. \_\_\_\_\_ ft  
Groundwater Elev.:  
First Encounter \_\_\_\_\_ ft  
Upon Completion \_\_\_\_\_ ft  
After \_\_\_\_\_ Hrs.

DEPTH (ft)	BLOWS (6")	RESISTANCE (tsf)	PERCENT (%)	DESCRIPTION
5				FILL, silty clay, fr. sand, some gravel, fr. roots & topsoil, dk. gray, very stiff
7	3.5	15.0		
7	P			
616.00				SILTY CLAY, fr. sand & gravel, brown & gray, very stiff
3				
4	3.3	21.0		
5	B			
613.50				SILTY CLAY, fr. sand & gravel, brown & gray, hard
5				
8	4.8	18.0		
11	S			
8				
11	4.8	17.0		
13	S			
-10				
606.00				SILTY CLAY, fr. sand & gravel, gray, hard
5				
8	4.8	17.0		
11	S			
-10				
581.00				SILTY CLAY, fr. sand & gravel, some stone, gray, very hard.
10				
21	5.8	8.0		
33	S			
-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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SECTION COUNTY Cook DRILLING METHOD ss HAMMER TYPE

STRUCT. NO. Station  
BORING NO. B-4  
Station  
Offset  
Ground Surface Elev. 619.00 ft (ft) (/6") (tsf) (%)

Surface Water Elev. \_\_\_\_\_ ft  
Stream Bed Elev. \_\_\_\_\_ ft  
Groundwater Elev.:  
First Encounter \_\_\_\_\_ ft  
Upon Completion \_\_\_\_\_ ft  
After \_\_\_\_\_ Hrs.

DEPTH (ft)	BLOWS (6")	RESISTANCE (tsf)	PERCENT (%)	DESCRIPTION
11				SILTY CLAY, fr. sand & gravel, gray, very hard
7				
15	5.6	11.0		
19	S			
40	6.4	12.0		
51	S			
17				
11	7.2	10.0		
13	S			
-30				
588.50				End of Boring

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
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SOIL BORING LOG Page 1 of 2  
Date 6/17/10

ROUTE FAU 1537 DESCRIPTION LOCATION SEC. TWP. RNG. LOGGED BY FM

SECTION COUNTY Cook DRILLING METHOD SS HAMMER TYPE

STRUCT. NO. Station  
BORING NO. D-01  
Station  
Offset  
Ground Surface Elev. 620.11 ft (ft) (/6") (tsf) (%)

Surface Water Elev. \_\_\_\_\_ ft  
Stream Bed Elev. \_\_\_\_\_ ft  
Groundwater Elev.:  
First Encounter \_\_\_\_\_ ft  
Upon Completion \_\_\_\_\_ ft  
After \_\_\_\_\_ Dry Hrs.

DEPTH (ft)	BLOWS (6")	RESISTANCE (tsf)	PERCENT (%)	DESCRIPTION
819.21				0.5" asphalt over 10" concrete
5				FILL, crushed limestone, light gray, moist, medium dense
11		6.5		
10				Silty clay, trace sand & stone, dark gray, very stiff
5				
6	2.7	13.4		
6				
615.11				Silty clay, trace gravel & sand, brown & gray, very stiff to stiff
2				
2	2.2	21.1		
3				
592.11				Sandy clay, trace gravel, gray, dense
2				
2	1.8	23.0		
2				
-10				
609.11				Clay, trace gravel & shale with sand lens, gray & brown, hard
3				
6	5.8	19.9		
5				
4				
7	6.8	15.7		
11				
605.11				Clay, trace gravel & shale, gray, hard
8				
12	4.7	16.8		
14				
582.11				Silty clay, trace stone, gray, hard
4				
5	5.5	17.9		
8				
-20				

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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