

BRIDGE FOUNDATION BORING LOG

ROUTE FA-45 BRIDGE Mannheim Road Date 1-25-71
Over C.H.St.P. & P. RR Bored By J.E. F.R.H.
Checked By S.S. & R.B.

COUNTY Cook STA
Boring No. SB-8
Station See Sheet 2
Offset
Ground Surface Elev. 648

Elevation	N	Qu 1/4 ft.	w (%)	Surface Water El. Groundwater El. at Completion After Hours
0				
14	3.3	18		
-25				
8	1.8	7		
13	3.4	19		
15				
8	2.0	23		
22	3.8	19		
-30				
22	3.8	19		
26	5.6	20		
-10				
23	5.2	29		
-35				
18	3.2	18		
-15				
13	2.8	18		
-40				
10	1.5	24		
-20				
16	5.6	17		
-45				
32	4.2	16		
-50				
61	6.8	13		
66	7.5	11		
-55				
71	7.9	11		
-55				

END OF BORING AUGER REFUSAL

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Over C.H.St.P. & P. RR Bored By J.E. F.R.H.
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COUNTY Cook STA
Boring No. SB-9
Station See Sheet 2
Offset
Ground Surface Elev. 646

Elevation	N	Qu 1/4 ft.	w (%)	Surface Water El. Groundwater El. at Completion After Hours
0				
18	2.3	20		
-25				
6	1.0	22		
11	1.0	19		
15				
5	1.1	27		
-30				
10	1.5	23		
32	5.1	15		
-10				
17	3.4	22		
-35				
20	2.5	13		
-15				
15	2.1	16		
-40				
24	3.7	15		
-20				
20	3.0	20		
-48				
60	8.2	14		
-50				
75	8.6	12		
48		9		
-55				

END OF BORING AUGER REFUSAL

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COUNTY Cook STA
Boring No. SB-10
Station See Sheet 2
Offset
Ground Surface Elev. 648

Elevation	N	Qu 1/4 ft.	w (%)	Surface Water El. Groundwater El. at Completion After Hours
0				
16	3.2	19		
-25				
11	1.6	26		
13	6.8	18		
15				
9	2.7	21		
-30				
18	2.4	20		
38	3.2	18		
-10				
19	2.0	13		
-35				
62	6.3	17		
-15				
14	4.0	14		
-40				
15	1.6	18		
41		15		
-40				
13	2.0	19		
19	2.8	14		
-20				
14	1.2	20		
-45				

END OF BORING

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COUNTY Cook STA
Boring No. SB-11
Station See Sheet 2
Offset
Ground Surface Elev. 648

Elevation	N	Qu 1/4 ft.	w (%)	Surface Water El. Groundwater El. at Completion After Hours
0				
11	2.6	1		
-25				
9	2.5	1		
11				
32	3.1	1		
-30				
27	5.4	1		
-10				
21	5.1	12		
-35				
16	1.5	20		
-15				
11	1.8	18		
-40				
10	2.0	19		
-20				
10	2.2	21		
-45				
42	5.5	1		
51	6.3	1		
-50				
100 for 8"				
7.8				
-55				

END OF BORING

KEY TO NOTATION:
N - Standard Penetration Test - blows per foot to drive 2" O.D. Split Spoon Sampler 12" with 140 pound hammer falling 30".
Qu - Unconfined Compressive Strength - tons/sq. ft.
w - Water Content - percentage of oven dry weight - %

REVISIONS	NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SOIL BORING LOGS SB-8, SB-9, SB-10 & SB-11
FAP 330 US 12/45 (MANNHEIM RD.) OVER
500 LINE RR & FRANKLIN AVE.
STRUCTURE NO. 016-2815
SECTION 465 VB-R-1 COOK COUNTY
STA. 183+33.30 DRAWN BY JHR
DATE 7/2009 CHECKED BY DSB

EARTH TECH | AECOM