

**BRIDGE FOUNDATION BORING LOG**

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

COUNTY Cook  
 Doring No. SB-4  
 Station See Sheet 2  
 Offset

Elevation	N	Qu (t/sf)	w (%)	Surface Water El. Groundwater El. at Completion After Hours
0				
8	1.8	27		
6	1.3	26		
16	7.4	16		
21	4.8	19		
15	2.0	20		
12	1.7	19		
10	1.6	23		
18	4.0	14		
49	9.0	10		
75	8.2	10		
132	8			

Ground Surface Elev. 648

Fill, brown CLAY

Brown CLAY

Gray CLAY

Gray SILT

Gray CLAY

END OF BORING AUGER REFUSAL

**BRIDGE FOUNDATION BORING LOG**

BRIDGE Mannheim Road Date 1-13-71  
 ROUTE FA-45 Over C.H.St.P.&P. RR Bored By J.E. & R.H. Checked By R.B. & S.S.

COUNTY Cook  
 Doring No. SB-5  
 Station See Sheet 2  
 Offset

Elevation	N	Qu (t/sf)	w (%)	Surface Water El. Groundwater El. at Completion After 24 Hours
0				
21	4.5	26		
5	6			
3	6			
17	5.0	19		
19	6.0	21		
18	3.0	18		
14	3.2	20		
13	12			
13	2.1	14		
41	5.9	15		
52	5.8	16		
58	6.0	17		
100				

Ground Surface Elev. 648

Gray CLAY

Brown CLAY

Gray SILT

Gray CLAY

Gray SILTY LOAM

Gray CLAY

END OF BORING

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 ROUTE FA-45 Over C.H.St.P.&P. RR Bored By J.E. & R.H. Checked By S.S. & R.B.

COUNTY Cook  
 Doring No. SB-6  
 Station See Sheet 2  
 Offset

Elevation	N	Qu (t/sf)	w (%)	Surface Water El. Groundwater El. at Completion After Hours
0				
11	2.5	20		
10	4.4	18		
22	4.6	19		
13	3.0	20		
11	3.1	17		
11	2.2	18		
18	5.0	20		
13	2.9	20		
41	5.9	15		
40	6.9	13		
55	7.6	12		
76	8.6	10		

Ground Surface Elev. 647

Brown CLAY

Gray CLAY

Gray SILT

Gray CLAY

Gray CLAY

END OF BORING AUGER REFUSAL

**BRIDGE FOUNDATION BORING LOG**

BRIDGE Mannheim Road Date 1-13-71  
 ROUTE FA-45 Over C.H.St.P.&P. RR Bored By J.E. & R.H. Checked By R.B. & S.S.

COUNTY Cook  
 Doring No. SB-7  
 Station See Sheet 2  
 Offset

Elevation	N	Qu (t/sf)	w (%)	Surface Water El. Groundwater El. at Completion After Hours
0				
15	3.2	19		
13	3.3	18		
26	3.9	18		
46	4.7	16		
56	15			
79	15			
42	13			
29	5.8	10		
33	5.9	12		
40	6.9	13		
55	7.6	12		
76	8.6	10		
91	6.1	11		

Ground Surface Elev. 648

SAND and GRAVEL

Brown CLAY

Gray CLAY

Gray SAND and GRAVEL

Gray CLAY

END OF BORING AUGER REFUSAL

**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		ILLINOIS DEPARTMENT OF TRANSPORTATION SOIL BORING LOGS SB-4, SB-5, SB-6 & SB-7
NAME	DATE	
		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