

BRIDGE FOUNDATION BORING LOG

ROUTE FA-45 BRIDGE Mannheim Road Date 2-5-71
Over C.H.St.P.&P.R.R. Bored By J.E. & R.H.
Checked By S.S. & R.B.

Elevation	N	Qu / s.f.	w (%)	Surface Water El.	Groundwater El. at Completion
0					40'
0					
12	1.9	21			
12	4.5	18			
13	4.5	18			
14	5.6	20			
17	6.0	20			
15	5.2	18			
11	1.2	19			
15	3.2	18			
13	1.8	22			
32	12.6	12			
79		11			
146		11			
100 for 3"		7.0	9		

BRIDGE FOUNDATION BORING LOG

ROUTE FA-45 BRIDGE Mannheim Road Date 1-18-71
Over C.H.St.P.&P.R.R. Bored By J.E. & R.H.
Checked By S.S. & R.B.

Elevation	N	Qu / s.f.	w (%)	Surface Water El.	Groundwater El. at Completion
0					
8	2.6	15			
12	2.1	21			
14	2.5	20			
17	3.8	14			
19	4.4	10			
26	6.2	20			
19	5.0	20			
17	2.5	19			
15	2.6	19			
18	3.0	19			
57	5.8	14			
68	6.6	11			
72	6.9	10			
100 for 3"		7.0	9		

BRIDGE FOUNDATION BORING LOG

ROUTE FA-45 BRIDGE Mannheim Road Date 2-4-71
Over C.H.St.P.&P.R.R. Bored By J.E. & R.H.
Checked By S.S. & R.B.

Elevation	N	Qu / s.f.	w (%)	Surface Water El.	Groundwater El. at Completion
0					
8	2.5	31			
12	3.4	22			
26	9.0	19			
24	7.6	20			
18	3.2	20			
14	2.8	20			
13	1.6	19			
13	3.2	22			
46	14.0	15			
52		9			
100 for 9"		6.4	8		

BRIDGE FOUNDATION BORING LOG

ROUTE FA-45 BRIDGE Mannheim Road Date 1-14-71
Over C.H.St.P.&P.R.R. Bored By J.E. & R.H.
Checked By S.S. & R.B.

Elevation	N	Qu / s.f.	w (%)	Surface Water El.	Groundwater El. at Completion
0					
12					
8	1.0	27			
8	2.1	23			
23	4.8	20			
23	4.7	20			
24	4.2	23			
17	3.0	20			
16	2.4	20			
12		21			

KEY TO NOTATION:
 N - Standard Penetration Test - blows per foot to drive 2" Split Spoon Sampler 12" w/ 140 pound hammer falling
 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-28, SB-29, SB-30 & SB-31
 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