

BRIDGE FOUNDATION BORING LOG

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

COUNTY Cook Boring No. SB-1 Station See Plan Offset

Elevation	N	Qu (t/s.f.)	w (%)	Surface Water El.	Groundwater El. at Completion	After Hours
0						
17						15
-2.5						
12	5.0	18				8 1.4 31
-5						
7	0.9	24				29 3.1 19
-30						
26	6.0	19				37 3.6 16
-10						
20	3.0	18				29 2.0
-35						
16	2.2	20				26 5.4 21
-15						
11	2.0	19				32 4.9 15
-40						
14	2.4	19				30 5.2 14
-20						
20	5.8	16				29 4.8 14
-45						
						34 9.2 16
						68 7.1 12
-50						
						101 10.8 9
-55						

END OF BORING AUGER REFUSAL

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 Boring No. SB-2 Station See Plan Offset

Elevation	N	Qu (t/s.f.)	w (%)	Surface Water El.	Groundwater El. at Completion	After Hours
0						
9						20
-2.5						
6	1.5	22				9 1.7 16
-5						
6	1.5	16				17 2.7 16
-30						
26	4.2	10				22 3.4 18
-10						
14	2.6	20				31 3.8 15
-35						
13	2.0	19				92 3.2 15
-15						
11	1.8	20				53 14
-40						
8	1.3	23				36 12
-20						
7	1.1	25				38 13
-45						
						46 6.2 14
						69 7.6 10
-50						
						132 8.4 9
-55						

END OF BORING AUGER REFUSAL

BRIDGE FOUNDATION BORING LOG

BRIDGE Mannheim Road Date 12-30-70
 ROUTE FA-45 Over C.H.St. P & P RR Bored By J.E. & R.H. Checked By R.B. & S.S.

COUNTY Cook Boring No. SB-3 Station See Plan Offset

Elevation	N	Qu (t/s.f.)	w (%)	Surface Water El.	Groundwater El. at Completion	After Hours
0						
19						2.6 17
-2.5						
8	2.2	23				20 1.3 20
-5						
16	3.3	20				26 2.5 18
-30						
34	3.6	24				33 4.7 11
-10						
22	2.4	19				29 2.9 14
-35						
20	2.0	19				25 3.9 13
-15						
18	2.0	19				41 10
-40						
21	4.5	17				55 4.9 10
-20						
17	2.1	18				62 6.1 13
-45						
						61 9.2 15
						75 8.3 11
-50						
						100 for 6" 6
						began coring
						LIMESTONE (58% Recovery)
-55						

END OF BORING

KEY TO NOTATION:

N - Standard Penetration Test - blows per foot to drive 2" O.I. 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-1, SB-2 & SB-3 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
NAME	DATE	

EARTH TECH | AECOM