

BRIDGE FOUNDATION BORING LOG
 ROUTE FA-45 BRIDGE Mannheim Road Date 2-14-71
 Over C.H.St.P.&P.R.R. Dored By J.E. & R.H. Checked By S.S. & R.B.
 COUNTY Cook STA. Boring No. SB-32
 Station See Sheet 2

Elevation	N	Qu (t/sf)	w (%)	Surface Water El.	Groundwater El. at Completion	After Hours
0						
-7	3.0	25				
-16	6.0	19				
-36	8.8	18				
-17	3.4	22				
-17	3.4	19				
-17	2.6	19				
-12	2.0	19				
-11	2.4	22				
-35	5.2	15				
-33	4.9	17				
-24	4.5	18				
-36	6.9	14				
-35	10.8	12				
-43		10				
-50						
-50						

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 Over C.H.St.P.&P.R.R. Dored By J.E. & R.H. Checked By S.S. & R.B.
 COUNTY Cook STA. Boring No. SB-33
 Station See Sheet 2

Elevation	N	Qu (t/sf)	w (%)	Surface Water El.	Groundwater El. at Completion	After Hours
0						
-9	1.1	23				
-7	3.5	22				
-19	4.8	20				
-21	3.0	20				
-18	4.4	23				
-12	3.6	10				
-12	3.0	21				
-31						
-77	8.1	12				
-152	9.1	8				

BRIDGE FOUNDATION BORING LOG
 ROUTE FA-45 BRIDGE Mannheim Road Date 2-3-71
 Over C.H.St.P.&P.R.R. Dored By J.E. & R.H. Checked By S.S. & R.B.
 COUNTY Cook STA. Boring No. SB-34
 Station See Sheet 2

Elevation	N	Qu (t/sf)	w (%)	Surface Water El.	Groundwater El. at Completion	After Hours
0						
-14	3.3	17				
-22	7.3	19				
-20	3.6	22				
-17	3.2	11				
-20	5.2	22				
-14	2.0	20				
-10	1.3	13				
-13	3.0	19				
-46	8.8	9				
-79	8.6	10				
-172	10.0	11				

BRIDGE FOUNDATION BORING LOG
 ROUTE FA-45 BRIDGE Mannheim Road Date 1-14-71
 Over C.H.St.P.&P.R.R. Dored By J.E. & R.H. Checked By S.S. & R.B.
 COUNTY Cook STA. Boring No. SB-35
 Station See Sheet 2

Elevation	N	Qu (t/sf)	w (%)	Surface Water El.	Groundwater El. at Completion	After Hours
0						
-13	1.3	25				
-8	2.4	20				
-12	3.2	25				
-19	5.0	19				
-13		19				
-11	3.6	20				
-11	4.0	18				
-22	3.5	17				
-46	8.8	9				
-79	8.6	10				
-172	10.0	11				

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-32, SB-33, SB-34 & SB-35
	FAP 330 US 12/45 (MANNHEIM RD.) OVER 500 LINE RR & FRANKLIN AVE. STRUCTURE NO. 016-2815
	SECTION 465 VB-R-1 STA. 183+33.30
	DATE 7/2009

EARTH TECH | AECOM

COOK COUNTY DRAWN BY JHR CHECKED BY DSB