

BRIDGE FOUNDATION BORING LOG
 BRIDGE Mannheim Road Date 2-3-71
 ROUTE FA-45 Over C.M.St.P.&P. RR Dored By J.E. F.R.H. Checked By R.B. & R.H.
 COUNTY Cook STA. Doring No. SB-36 Station See Sheet 2
 Offset

Elevation	N	Qu 1/4 ft.	w (%)	Surface Water El. Groundwater El. at Completion After Hours
0				
19	3.9	19		
-2.5	18	4.8	16	
-5	26	8.8	18	
-10	25	6.8	19	
-15	17	4.8	19	
-20	18	2.2	20	
-25	15	2.6	19	
-30	16	2.3	21	
-35	14	2.2	22	
-40	19	6.6	16	
-45	65	7.3	12	
-50	102 for 60	9.6	8	
-55				

Ground Surface Elev. 647
 Black CLAY
 Gray CLAY
 Brown CLAY
 Gray SILTY LOAM
 Gray CLAY
 Gray CLAY
 END OF BORING AUGER REFUSAL

BRIDGE FOUNDATION BORING LOG
 BRIDGE Mannheim Road Date 2-11-71
 ROUTE FA-45 Over C.M.St.P.&P. RR Dored By R.B. & R.H. Checked By S.S. & R.B.
 COUNTY Cook STA. Doring No. SB-37 Station See Sheet 2
 Offset

Elevation	N	Qu 1/4 ft.	w (%)	Surface Water El. Groundwater El. at Completion After Hours
0				
14	2.0	24		
-2.5	15	1.4	26	
-5	24	3.8	20	
-10	21	5.2	20	
-15	17	2.6	20	
-20	15	3.2	32	
-25	11	2.8	22	
-30	12	2.0	21	
-35	13	2.2	23	
-40				
-45				
-50				
-55				

Ground Surface Elev. 646
 Brown CLAY
 Gray CLAY
 Gray SILT
 Gray SAND
 END OF BORING

BRIDGE FOUNDATION BORING LOG
 BRIDGE Mannheim Road Date 2-12-71
 ROUTE FA-45 Over C.M.St.P.&P. RR Dored By R.B. & R.H. Checked By S.S. & R.B.
 COUNTY Cook STA. Doring No. SB-38 Station See Sheet 2
 Offset

Elevation	N	Qu 1/4 ft.	w (%)	Surface Water El. Groundwater El. at Completion After Hours
0				
15	3.2	20		
-2.5	14	3.8	18	
-5	8	2.1	25	
-10	19	8.0	23	
-15	27	8.1	17	
-20	21		19	
-25	16	2.2	18	
-30	12	1.8	22	
-35	13	2.8	20	
-40				
-45				
-50				
-55				

Ground Surface Elev. 646
 Gray CLAY
 Brown CLAY
 Gray SILT
 Gray CLAY
 END OF BORING

BRIDGE FOUNDATION BORING LOG
 BRIDGE Mannheim Road Date 2-
 ROUTE FA-45 Over C.M.St.P.&P. RR Dored By R.B. & R.H. Checked By S.S. & R.B.
 COUNTY Cook STA. Doring No. SB-39 Station See Sheet 2
 Offset

Elevation	N	Qu 1/4 ft.	w (%)	Surface Water El. Groundwater El. at Completion After Hours
0				
16				
-2.5	7	2.2	25	
-5	10	1.2	25	
-10	31	6.4	19	
-15	23	3.8	18	
-20	15	1.6	26	
-25	14	2.5	20	
-30	9	1.8	24	
-35	15	2.5	19	
-40				
-45				
-50				
-55				

Ground Surface Elev. 645
 Fill, black and brown mottled clay
 Gray CLAY
 Brown CLAY
 Gray CLAY
 END OF BORING

BRIDGE FOUNDATION BORING LOG
 BRIDGE Mannheim Road Date 2-12-71
 ROUTE FA-45 Over C.M.St.P.&P. RR Dored By R.B. & R.H. Checked By S.S. & R.B.
 COUNTY Cook STA. Doring No. SB-40 Station See Sheet 2
 Offset

Elevation	N	Qu 1/4 ft.	w (%)	Surface Water El. Groundwater El. at Completion After Hours
0				
15	3.0	19		
-2.5	16	4.5	22	
-5	26	6.6	18	
-10	28	7.6	18	
-15	22	3.8	21	
-20	19	4.4	18	
-25	41		17	
-30	29	4.7	16	
-35	56		14	
-40	11	1.6	23	
-45	61	5.3	15	
-50	14	3.2	22	
-55				

Ground Surface Elev. 646
 Brown CLAY
 Gray CLAY
 Gray SILT
 Gray CLAY
 Gray SILT
 END OF BORING

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 - percent of oven-dry weight - %

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION SOIL BORING LOGS SB-36, SB-37, SB-38, SB-39 & SB-40 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
NAME	DATE	
EARTH TECH AECOM		COOK COUNTY DRAWN BY JHR CHECKED BY DSB