

BRIDGE FOUNDATION BORING LOG

ROUTE FA-45 BRIDGE Mannheim Road Date 1-12-71
 Over C.M.St.P.&P. RR. Bored By J.E. & R.H.
 COUNTY Cook STA. Checked By S.S. & R.B.

Elevation	N	Qu 1/2 ft.	w (%)	Surface Water El. Groundwater El. at Completion	Elevation	N	Qu 1/2 ft.	w (%)
0				41'	0			
-14	4.0	26			-25	9	3.1	17
-8	2.2	24			-10	10	2.5	18
-22	3.5	36			-30	36	4.2	17
-23	7.7	18			-42	42	5.0	16
-15	3.8	20			-33	33		16
-15	4.0	19			-35	120	6.1	14
-20	3.3	16			-40	63		16
-16	5.0	19			-47	47	5.8	25
					-50	63		14
					-94	94	7.1	9
					-103	103	8.6	8
					-100	100		7

BRIDGE FOUNDATION BORING LOG

ROUTE FA-45 BRIDGE Mannheim Road Date 1-22-71
 Over C.M.St.P.&P. RR. Bored By J.E. & R.H.
 COUNTY Cook STA. Checked By R.B. & S.S.

Elevation	N	Qu 1/2 ft.	w (%)	Surface Water El. Groundwater El. at Completion	Elevation	N	Qu 1/2 ft.	w (%)
0					0			
-14	2.8	17			-25	14	3.1	16
-7		28			-14	14	2.8	17
-9	0.5	17			-18	18	3.6	16
-23	4.6	19			-30	16	4.3	18
-19	2.9	18			-26	26	3.3	17
-16	3.8	19			-43	43		15
-11	2.3	20			-39	39	3.6	19
-11	2.1	20			-40	17		23
-16	4.5	14			-21	21	3.1	19
					-37	37	3.9	11
					-36	36	4.3	11
					-42	42	4.5	14
					-41	41	5.2	11
					-97	97	6.6	8

BRIDGE FOUNDATION BORING LOG

ROUTE FA-45 BRIDGE Mannheim Road Date 1-26-71
 Over C.M.St.P.&P. RR. Bored By J.E. & R.H.
 COUNTY Cook STA. Checked By S.S. & R.B.

Elevation	N	Qu 1/2 ft.	w (%)	Surface Water El. Groundwater El. at Completion	Elevation	N	Qu 1/2 ft.	w (%)
0					0			
-7	1.2	39			-9	9	1.6	19
-6	1.4	24			-10	10	1.8	20
-17	5.4	19			-15	15	2.1	19
-20	6.4	21			-17	17	4.0	19
-22	2.6	19			-37	37	3.3	20
-15	2.8	20			-38	38	4.0	19
-14	2.3	21			-27	27	4.2	18
-11	1.5	21			-19	19	5.2	15
					-29	29	4.9	15
					-30	30	4.3	15
					-63	63	6.2	11
					-66	66	8.0	9

BRIDGE FOUNDATION BORING LOG

ROUTE FA-45 BRIDGE Mannheim Road Date 1-22-71
 Over C.M.St.P. & P. RR. Bored By J.E. & R.H.
 COUNTY Cook STA. Checked By R.B. & S.S.

Elevation	N	Qu 1/2 ft.	w (%)	Surface Water El. Groundwater El. at Completion	Elevation	N
0					0	
-8	5				-13	13
-10					-25	25
-10	1.2	29			-30	30
-9	3.8	20			-33	33
-15	3.4	17			-35	35
-11	2.6	16			-40	40
-14	3.2	20			-40	40
-13	2.7	21			-45	45
					-50	50
					-55	55
					-100	100

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-16, SB-17, SB-18 & SB-19
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