

BRIDGE FOUNDATION BORING LOG

ROUTE FA-45 BRIDGE Mannheim Road Date 1-13-71
 Over C.H.St.P. & P. RR Bored By J.E. & R.H.
 Checked By S.S. & R.B.

STA	Elevation	N	Qu 1/4 L	w (%)	Surface Water El.	Groundwater El. at Completion	Elevation	N	Qu 1/4 L	w (%)
0	649					41'	12	2.9	19	
							-2.5			
		10	3.1	27			10	2.8	15	
		-5					14	3.2	16	
		12	6.5	18			-30			
		18	3.3	21			25	5.3	17	
		-10					39	4.8	17	
		14	4.0	19			-35			
		14	3.2	17			54		17	
		-15					36		15	
		13	3.0	19			-40			
		12	3.1	19			23	4.1	13	
		-20					30	5.2	12	
		14	5.2	19			-45			
		29		12			36		13	
		-50					41		14	
		52		12			-55	100	for 9"	

BRIDGE FOUNDATION BORING LOG

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

STA	Elevation	N	Qu 1/4 L	w (%)	Surface Water El.	Groundwater El. at Completion	Elevation	N	Qu 1/4 L	w (%)
0	647					42.5'	16	3.0	15	
							-2.5			
		12	4.0	19			15	3.9	16	
		-5					38		16	
		8	1.0	22			-30			
		16	3.7	19			57	4.8	17	
		-10					29		16	
		20	1.3	21			-35			
		18	4.4	17			12	3.0	23	
		-15					33	4.1	14	
		20	3.2	19			-40			
		20	3.3	19			64	5.8	11	
		-20					62	7.1	13	
		20	3.0	17			-45			
		70	9.1	15			72	8.6	14	
		-50	100	for 5"			97	7.3	7	
		97	9.7	8			-55			

BRIDGE FOUNDATION BORING LOG

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

STA	Elevation	N	Qu 1/4 L	w (%)	Surface Water El.	Groundwater El. at Completion	Elevation	N	Qu 1/4 L	w (%)
0	648					35'	15	3.1	15	
							-2.5			
		8	1.2	29			11	2.1	18	
		-5					18	3.0	16	
		4	1.0	31			-30			
		16	3.8	19			27	3.4	16	
		-10					28		20	
		21	4.2	19			-35			
		12	2.4	19			26	2.3	21	
		-15					27		19	
		15	1.2	19			-40			
		16	3.0	17			29	5.0	18	
		-20					32	3.9	17	
		13	3.0	17			-45			
		38	4.6	15			37	7.9	14	
		-50					97	7.3	7	
		100	for 3"				-55			

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-12, SB-14 & SB-15
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