

MAY 11 1983

LOG OF BORING

Date Started 8-17-83 Sampler Type SS Dia. 1 3/8" Water Elev. _____
 Date Completed 8-17-83 Casing Length _____ Dia. _____
 Boring No. B-36 Station & Offset 10+50 CL (CASEMENT RD.) Surface Elev. 653.1'

Elev.	Depth	Std. Pen. (N)	Rec. Loss ft.	Description	Sample No.	Physical Characteristics										SHTL Class.				
						% Agg.	% C.S.	% F.S.	% Silt	% Clay	L.L.	P.I.	W.C.							
653.1	0																			
650.6	2																			
648.1	4	3/9/14		BROWN WITH GRAY SILT	25	1	1	1	48	49	25	5	25							A-4a
645.6	6	6/11/14		BROWN SILT	26	0	0	0	84	16	25	6	20							A-4b
643.1	8	3/5/8		GRAY SILT	27	0	1	0	69	30	24	4	22							A-4b
640.6	12	3/4/4		GRAY SILT	28	0	0	1	51	48	24	5	26							A-4b
638.1	14	4/5/5		GRAY SILT	29	0	0	1	58	41	26	8	19							A-4b
635.6	18	3/4/7		GRAY SILT	30	4	2	6	28	50	25	8	26							A-4b
633.1	20	3/4/7		GRAY SANDY SILT	31	9	9	13	36	33	22	6	33							A-4a
	22	3/5/9		GRAY SANDY SILT	32	10	7	13	38	32	22	7	12							A-4a
628.1	24																			
	26	16/25/30		GRAY SILT	33	6	4	7	36	37	21	6	12							A-4a
	28																			
623.1	30	36/50		GRAY SANDY SILT	34	6	8	13	38	35	22	8	7							A-4a
	32																			
	34																			
618.1	50(0.3')			GRAY GRAVELLY SANDY SILT	35	20	10	16	35	19	21	6	6							A-4a
617.6				BOTTOM OF BORING																

LOG OF BORING

Date Started 8-16-83 Sampler Type SS Dia. 1 3/8" Water Elev. 655.6'
 Date Completed 8-16-83 Casing Length _____ Dia. _____
 Boring No. B-37 Station & Offset 14+00 25' RT (CASEMENT RD.) Surface Elev. 665.6'

Elev.	Depth	Std. Pen. (N)	Rec. Loss ft.	Description	Sample No.	Physical Characteristics										SHTL Class.					
						% Agg.	% C.S.	% F.S.	% Silt	% Clay	L.L.	P.I.	W.C.								
665.6	0																				
663.1	2																				
660.6	4	3/3/4		BROWN SILTY SANDY GRAVEL	15	48	21	17	9	5	NP	NP	3								A-1-b
658.1	6	5/7/5		BROWN SILTY SANDY GRAVEL	16	54	16	12	12	6	NP	NP	6								A-1-b
655.6	8	5/7/9		BROWN SILTY SANDY GRAVEL	17	63	10	12	10	5	NP	NP	10								A-1-b
653.1	12	3/6/8		GRAY SILT	18	0	1	1	71	27	NP	NP	21								A-4b
650.6	14	8/18/27		GRAY SILT	19	0	0	1	83	16	NP	NP	20								A-4b
648.1	16	36/50		GRAY SILT	20	0	0	1	85	14	NP	NP	19								A-4b
645.1	18	7/7/9		GRAY SILT	21	0	0	0	61	39	28	8	20								A-4b
	20	5/6/7		GRAY SILT	22	0	0	0	39	61	29	9	27								A-4a
	22																				
	24																				
640.1	26	3/3/5		GRAY SILT	23	0	2	3	42	52	23	6	18								A-4a
	28																				
635.1	30																				
633.6	10/27/50			GRAY GRAVELLY SANDY SILT	26	16	8	11	31	28	23	6	10								A-4a
				BOTTOM OF BORING																	

LOG OF BORING

Date Started 8-16-83 Sampler Type SS Dia. 1 3/8" Water Elev. _____
 Date Completed 8-16-83 Casing Length _____ Dia. _____
 Boring No. B-38 Station & Offset 2+50 CL (ERIE ST. EXT.) Surface Elev. 648.2'

Elev.	Depth	Std. Pen. (N)	Rec. Loss ft.	Description	Sample No.	Physical Characteristics										SHTL Class.					
						% Agg.	% C.S.	% F.S.	% Silt	% Clay	L.L.	P.I.	W.C.								
648.2	0																				
645.7	2																				
643.2	4	12/16/14		GRAY SILT	1	0	0	2	87	11	NP	NP	18								A-4b
	6	4/2/5		GRAY SILT	2	0	0	0	64	36	NP	NP	28								A-4b
640.7	8	P.S.		GRAY SILT (AVERAGE OF SAMPLES)	3	0	0	1	55	44	27	6	24								A-4b
638.2	10																				
	12	3/3/4		GRAY SILT	4	5	3	7	35	50	NP	NP	24								A-4a
635.7	14	P.S.		GRAY SANDY SILT (GRADING ONLY 12.5'-13.3')	5	8	10	15	37	30	27	10	14								A-4a
633.2	16	P.S.		GRAY SANDY SILT (GRADING ONLY 13.3'-13.8')	5A	5	33	14	22	26	23	6	8								A-4a
	18	2/5/5		GRAY SILT	6	0	3	7	38	52	NP	NP	22								A-4a
630.7	20	P.S.		GRAY CLAY (AVERAGE OF SAMPLES)	7	1	1	3	29	66	36	17	27								A-6b
628.2	22	12/19/24		GRAY SANDY SILT	8	8	7	12	36	37	26	7	10								A-4a
	24																				
623.2	26	50(0.6')		GRAY SANDY SILT	9	7	8	13	37	35	21	5	9								A-4a
	28																				
618.2	30	50(0.3')		GRAY SANDY SILT	10	8	8	16	48	20	21	6	8								A-4a
	32																				
	34																				
613.2	36	33/45		GRAY SILT	11	4	4	5	44	43	24	6	9								A-4a
	38																				
608.2	40	75(0.3')		GRAY SILT SANDY GRAVEL	12	46	21	7	17	9	NP	NP	4								A-2-a
	42																				
	44																				
603.2	46	40/50		GRAY SILT	13	8	4	7	58	23	24	6	14								A-4b
602.2				BOTTOM OF BORING																	

LOG OF BORING

Date Started 8-16-83 Sampler Type SS Dia. 1 3/8" Water Elev. 645.6'
 Date Completed 8-16-83 Casing Length _____ Dia. _____
 Boring No. B-39 Station & Offset 5+00 CL (ERIE STR. EXT.) Surface Elev. 655.6'

Elev.	Depth	Std. Pen. (N)	Rec. Loss ft.	Description	Sample No.	Physical Characteristics										SHTL Class.					
						% Agg.	% C.S.	% F.S.	% Silt	% Clay	L.L.	P.I.	W.C.								
655.6	0																				
653.1	2																				
650.6	4	6/7/7		BROWN SANDY SILT	1	5	9	27	37	22	23	5	15								A-4a
	6	3/2/7		BROWN SILT	2	1	3	16	50	30	23	6	17								A-4b
648.1	8	2/2/4		BROWN SILT	3	1	2	6	67	24	28	5	25								A-4b
645.6	10																				
	12	1/2/3		BROWN WITH GRAY CLAYEY SILT	4	0	0	1	54	45	28	7	33								A-4b
643.1	14	P.S.		GRAY SILT AND CLAY (GRADING ONLY 12.5'-12.9')	5	0	0	1	45	54	30	11	26								A-6a
	16	P.S.		GRAY CLAYEY (GRADING ONLY 12.9'-13.8')	5A	0	0	1	19	80	43	22	33								A-7-6
640.6	18	4/6/9		GRAY AND BROWN SANDY SILT	6	5	8	11	38	38	25	7	14								A-4a
638.1	20	4/5/7		GRAY SANDY SILT	7	8	9	13	34	36	26	10	14								A-4a
635.6	22	7/10/12		GRAY SANDY SILT	8	5	8	12	38	37	22	6	13								A-4a
634.1	24	7/13/29		GRAY SANDY SILT	9	11	6	21	35	27	22	5	10								A-4a
630.6	26	20/31/37		GRAY SANDY SILT	10	14	7	13	36	30	22	6	10								A-4a
	28																				
625.6	30	30/40/48		GRAY SANDY SILT	11	10	9	12	34	35	22	6	9								A-4a
	32																				
	34																				
620.6	36	70(0.5')		GRAY SANDY GRAVELLY SILT	12	23	8	13	34	22	22	6	7								A-4a
	38																				
615.6	40																				
	42																				
	44																				
610.6	46	25/50		GRAY CLAYEY SILT	14	5	4	5	19	67	26	8	14								A-4a
609.6				BOTTOM OF BORING																	

OHIO DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS - TESTING LABORATORY
 1600 WEST BROAD STREET COLUMBUS, OHIO 43223

STRUCTURE FOUNDATION INVESTIGATION
 BRIDGE NO. LAK-20-1714
 OVER GRAND RIVER
 SEC. LAK-20-17.04

BORING DATA

TYPED BY S. M. G.	CHECKED BY L. N. L.	REVIEWED BY R. D. R.	DATE 1/13/84
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