

REPRODUCTION
FEB 12 1968

LOG OF BORING
Date Started 6-28-67 Sampler Type SS Dia. 1 3/8" Water Elev. _____
Date Completed 6-28-67 Casing Length 10' Dia. 3 1/2" Surface Elev. 652.2'
Boring No. B-2 Station & Offset 47+06, 28' Lt. (Rear Abutment)

Elev.	Depth	Std. Pen. (N)	Rec. ft.	Loss ft.	Description	Sample No.	Physical Characteristics							SHTL Class.				
							% Agg.	% C.S.	% F.S.	% Silt	% Clay	L.L.	P.I.		W.C.			
652.2	0																	
647.2	5	6/6			Gray Silty Gravelly Sand	1	17	15	53	-15	-	NP	NP	18	A-3a			
644.7	8	10/8			Gray Gravelly Sand	2	28	44	18	-10	-	NP	NP	13	A-1-b			
642.2	10	19/17			Gray Sandy Silt	3	9	6	10	35	40	27	8	13	A-4a			
639.7	12	17/17			Gray Sandy Silt	4	8	6	11	33	42	25	7	11	A-4a			
637.2	14	14/16			Gray Sandy Silt	5	0	9	15	34	42	24	6	11	A-4a			
634.7	18	15/15			Gray Sandy Silt	6	13	5	10	34	38	26	8	13	A-4a			
632.2	20	16/18			Gray Sandy Gravelly Silt	7	18	6	12	33	31	25	7	12	A-4a			
629.7	22	17/17			Gray Sandy Silt	8	0	9	17	37	37	24	6	12	A-4a			
627.2	26	14/16			Gray Sandy Silt	9	14	8	13	33	32	23	5	12	A-4a			
622.2	30	32/36			Gray Silty Sandy Gravel	10	42	7	12	22	17	22	7	10	A-4a			
617.2	36	24/22			Gray Sandy Gravelly Silt	11	23	6	13	31	27	22	5	10	A-4a			
612.2	40	26/26			Gray Gravelly Sandy Silt	12	17	9	16	28	30	22	6	10	A-4a			
607.2	46	18/18			Gray Sandy Gravelly Silt	13	26	5	12	23	34	26	7	14	A-4a			

BOTTOM OF BORING

LOG OF BORING
Date Started 6-27-67 Sampler Type SS Dia. 1 3/8" Water Elev. _____
Date Completed 6-28-67 Casing Length 10' Dia. 3 1/2" Surface Elev. 653.0'
Boring No. B-5 Station & Offset 48+22, 41' Rt. (First Pier)

Elev.	Depth	Std. Pen. (N)	Rec. ft.	Loss ft.	Description	Sample No.	Physical Characteristics							SHTL Class.				
							% Agg.	% C.S.	% F.S.	% Silt	% Clay	L.L.	P.I.		W.C.			
653.0	0																	
648.0	5	6/6			Gray Silty Gravelly Sand	1	32	26	22	5	15	NP	NP	23	A-1-b			
645.5	8	6/10			Gray Gravelly Clay	2	48	5	6	17	24	36	15	14	A-6a			
643.0	10	14/10			Gray Sandy Silt	3	8	6	11	35	40	23	4	15	A-4a			
640.5	12	14/16			Gray Sandy Silt	4	9	6	9	33	43	25	9	13	A-4a			
638.0	14	14/17			Gray Sandy Silt	5	13	5	11	33	38	24	8	13	A-4a			
635.5	18	15/16			Gray Silty Gravel	6	49	7	8	17	19	PL	+16	12	-			
633.0	20	16/16			Gray Sandy Gravelly Silt	7	35	7	11	22	25	24	6	11	A-4a			
630.5	22	15/16			Gray Sandy Gravelly Silt	8	37	6	10	24	23	24	6	13	A-4a			
628.0	26	15/15			Gray Sandy Gravelly Silt	9	32	6	10	26	26	22	5	12	A-4a			
623.0	30	11/18			Gray Gravelly Silt	10	19	5	10	39	27	23	6	13	A-4a			
618.0	36	22/22			Gray Silt	11	0	1	4	69	26	NP	NP	14	A-4b			
613.0	40	16/17			Gray Gravelly Silt	12	41	4	7	24	24	27	9	11	A-4a			
608.0	46	14/17			Gray Gravelly Sandy Silt	13	16	5	11	28	40	26	8	13	A-4a			

BOTTOM OF BORING

LOG OF BORING
Date Started 6-22-67 Sampler Type SS Dia. 1 3/8" Water Elev. _____
Date Completed 6-22-67 Casing Length 10' Dia. 3 1/2" Surface Elev. 650.4'
Boring No. B-8 Station & Offset 50+04, 30' Lt. (3rd Pier)

Elev.	Depth	Std. Pen. (N)	Rec. ft.	Loss ft.	Description	Sample No.	Physical Characteristics							SHTL Class.				
							% Agg.	% C.S.	% F.S.	% Silt	% Clay	L.L.	P.I.		W.C.			
650.4	0																	
645.4	5	4/12			Gray Gravelly Sand	1	46	30	17	-	-	NP	NP	10	A-1-b			
642.9	8	6/8			Gray Gravelly Sand	2	44	32	14	-10	-	NP	NP	7	A-1-b			
640.4	10	16/20			Gray Silt	3	0	5	9	54	32	21	2	14	A-4b			
637.9	12	15/17			Gray Gravelly Sandy Silt	4	16	8	13	31	32	24	7	11	A-4a			
635.4	16	16/20			Gray Gravelly Sandy Silt	5	15	12	13	30	30	26	8	15	A-4a			
632.9	18	13/19			Gray Sandy Silt	6	0	8	15	40	37	23	6	12	A-4a			
630.4	20	12/20			Gray Sandy Gravelly Silt	7	20	7	10	35	28	25	6	11	A-4a			
627.9	22	12/21			Gray Sandy Gravelly Silt	8	20	5	10	32	33	25	7	12	A-4a			
625.4	26	12/24			Gray Sandy Gravelly Clay	9	21	9	10	30	30	30	14	12	A-6a			
620.4	30	20/32			Gray Silt	10	0	3	6	57	34	22	4	14	A-4b			
615.4	36	9/25			Gray Sandy Gravelly Silt	11	21	7	13	23	36	23	7	13	A-4a			
610.4	40	26/20			Gray Gravelly Sandy Silt	12	21	13	15	23	28	22	6	13	A-4a			

BOTTOM OF BORING

LOG OF BORING
Date Started 6-22-67 Sampler Type SS Dia. 1 3/8" Water Elev. _____
Date Completed 6-23-67 Casing Length 10' Dia. 3 1/2" Surface Elev. 652.3'
Boring No. B-13 Station & Offset 52+68, 62' Rt. (5th Pier)

Elev.	Depth	Std. Pen. (N)	Rec. ft.	Loss ft.	Description	Sample No.	Physical Characteristics							SHTL Class.				
							% Agg.	% C.S.	% F.S.	% Silt	% Clay	L.L.	P.I.		W.C.			
652.3	0																	
647.3	5	6/7			Brown Sandy Silt	1	12	12	36	21	19	NP	NP	17	A-4a			
644.8	8	8/12			Gray Sandy Clay	2	0	7	15	34	44	29	13	15	A-6a			
642.3	10	11/23			Gray Sandy Silt	3	12	7	13	34	34	24	5	12	A-4a			
639.8	12	12/22			Gray Sandy Gravelly Silt	4	34	6	9	23	28	26	8	14	A-4a			
637.3	16	13/26			Gray Sandy Silt	5	11	9	12	33	35	24	8	12	A-4a			
634.8	18	12/25			Gray Sandy Gravelly Silt	6	29	7	11	25	28	27	10	12	A-4a			
632.3	20	16/33			Gray Gravelly Sandy Silt	7	15	6	12	33	34	26	8	12	A-4a			
629.8	22	15/30			Gray Sandy Gravelly Silt	8	21	8	12	30	29	26	10	12	A-4a			
627.3	26	12/26			Gray Sandy Gravelly Silt	9	22	6	12	27	33	25	8	13	A-4a			
622.3	30	13/24			Gray Gravelly Sandy Silt	10	17	7	12	32	32	25	7	12	A-4a			
617.3	36	14/28			Gray Gravelly Sandy Silt	11	15	6	13	34	32	24	7	13	A-4a			
612.3	40	13/27			Gray Sandy Gravelly Silt	12	24	6	10	25	35	27	10	13	A-4a			

BOTTOM OF BORING

LOG OF BORING
Date Started 6-27-67 Sampler Type SS Dia. 1 3/8" Water Elev. _____
Date Completed 6-27-67 Casing Length 10' Dia. 3 1/2" Surface Elev. 645.1'
Boring No. B-16 Station & Offset 53+89, 35' Lt. (Forward Abutment)

Elev.	Depth	Std. Pen. (N)	Rec. ft.	Loss ft.	Description	Sample No.	Physical Characteristics							SHTL Class.				
							% Agg.	% C.S.	% F.S.	% Silt	% Clay	L.L.	P.I.		W.C.			
645.1	0																	
640.1	5	15/19			Brownish-Gray Gravelly Sandy Silt	1	17	9	15	29	30	30	10	17	A-4a			
637.6	8	14/20			Brownish-Gray Sandy Silt	2	0	8	14	37	41	27	8	13	A-4a			
635.1	10	19/21			Gray Gravelly Silt	3	41	5	9	23	22	23	5	12	A-4a			
632.6	12	18/23			Gray Sandy Silt	4	0	11	14	34	41	24	5	11	A-4a			
630.1	16	20/18			Gray Sandy Gravelly Silt	5	24	7	14	32	23	22	6	12	A-4a			
627.6	18	19/21			Gray Sandy Silt	6	5	9	16	41	29	23	6	10	A-4a			
625.1	20	19/22			Gray Sandy Gravelly Silt	7	22	7	11	29	31	23	5	11	A-4a			
622.6	22	20/22			Gray Sandy Gravelly Silt	8	24	7	11	29	29	23	6	11	A-4a			
620.1	26	22/24			Gray Sandy Silt	9	5	4	45	34	12	NP	NP	14	A-4a			
615.1	30	20/30			Gray Gravelly Sandy Silt	10	19	8	15	30	28	22	7	8	A-4a			
610.1	36	18/32			Gray Silty Sand	11	0	33	41	14	12	NP	NP	14	A-3a			
605.1	40	20/31			Gray Silty Sand	12	0	35	34	17	14	18	3	13	A-3a			

BOTTOM OF BORING

OHIO DEPARTMENT OF HIGHWAYS
TESTING LABORATORY
1620 WEST BROAD STREET, COLUMBUS 23, OHIO

STRUCTURE FOUNDATION INVESTIGATION
BRIDGE NO. LAK-615-0402
OVER N.&W. and N.Y.C. RR'S
SEC. LAK-615-3.26

BORING DATA

TYPED BY S.A.J.	CHECKED BY R.C.	REVIEWED BY R.D.R.	DATE 9/14/67
--------------------	--------------------	-----------------------	-----------------

DEC 11 1970 JUN 26 1970