Available boring information referenced from ODOT TIMS website

https://gis.dot.state.oh.us/tims

https://gis.dot.state.oh.us/tims/map?center=-81.75059387071707,41.4717171224261&level=13&visiblelayers=Boundaries:-1%7CSafety:-1%7CRoadway%20Information:-1%7CProjects:-1%7CEnvironmental:-1%7CAssets:20

LOG OF BORING

Date Started 4-20-65 | Sampler Type SS | Dia. 1 3/8" | Water Elev.
Date Completed 4-20-65 | Casing: Length | Dia.
Boring No. B-4 | Station & Offset 10+[illegible], 35' Rt. (Rear Pier) | Surface Elev. 716.6'

Elev.	Depth	Std. Pen. (N)	Rec. ft.	Loss ft.	Description	Sample No.	% Agg.	% C.S.	% F.S.	% Silt	% Clay	L.L.	P.I.	W.C.	SHTL Class.
716.6	0														
	2														
	4														
711.6	6	11/14			Gray and Brown Silty Sandy Gravel	1	38	18	18	17	9	NP	NP	18	
709.1	8	6/7			Brown Gravelly Sandy Silt	2	19	17	22	26	16	NP	NP	27	
706.6	10	11/14			Brown Silty Sandy Gravel	3	52	24	10	8	6	NP	NP	13	
704.1	12	8/8			Brown Silty Gravelly Sand	4	29	14	34	13	10	NP	NP	13	
701.6	14	9/10			Brown Sandy Gravel	5	51	42	4	-3-		NP	NP	14	
699.1	16	12/12			Brown Sandy Gravel	6	71	17	5	-7-		NP	NP	14	
696.6	18	15/10			Brown Silty Sandy Gravel	7	V	I	S	U	A	L	PL	-18	20
	20														
	22														
691.6	24	18/20			Gray Sand (Driller's Description)										
	26														
	28														
686.6	30	17/15			Brown Silty Gravelly Sand	8	23	15	38	10	14	NP	NP	15	
	32														
681.6	34	11/11			Brown Silty Gravelly Sand	9	17	6	44	17	16	NP	NP	20	
	36														
	38														
676.6	40	4/3			Brown Silty Gravelly Sand, Trace of Organic	10	19	8	35	25	13	NP	NP	36	
	42														
	44														
671.6	46	13/25			Dark-Gray and Brown Decayed Wood	11	V	I	S	U	A	L			
	48														
666.6	50	6/8			Gray Silt and Clay	12	0	4	4	45	47	33	11	31	
	52														
	54														
661.6	56				TOP OF ROCK										
	58		5.0	0.0											
	60				Shale, gray, very argillaceous, soft to medium-firm, jointed, slightly weathered. No core loss.										
	62														
	64		5.0	0.0											
651.6					BOTTOM OF BORING										

LOG OF BORING

Date Started 6-25-65 Sampler Type SS Dia 1 3/8" Water Elev. _____

Date Completed 6-29-65 Casing: Length 45' Dia 3 1/2"

Boring No. B-1A Station & Offset 574+20, 60' Lt. (Rear Abutment) Surface Elev. 709.9'

Elev.	Depth	Std. Pen. (N)	Rec. ft.	Loss ft.	Description	Sample No.	% Agg.	% C.S.	% F.S.	% Silt	% Clay	L.L.	P.I.	W.C.	SHTL Class.
709.9	0														
	2														
	4														
704.9	6	3/4			Brownish-Gray Sandy Gravelly Clay	1	31	8	7	23	31	23	13	19	
	8														
699.9	10	3/4			Dark-Brown and Gray Sandy Gravelly Clay	2	44	8	8	23	17	30	12	9	
	12														
	14														
694.9	16	4/5			Brown Silty Gravelly Sand	3	32	25	28	8	7	NP	NP	9	
	18														
689.9	20	17/14			Brown Silty Gravelly Sand	4	35	13	35	11	6	NP	NP	8	
	22														
	24														
684.9	26	6/7			Brown Silty Sand	5	14	10	54	14	8	NP	NP	13	
	28														
679.9	30	5/7			Brown Silty Gravelly Sand	6	16	11	46	16	11	NP	NP	18	
	32														
	34														
674.9	36	5/3			Brownish-Gray Silty Sand	7	0	8	69	10	13	NP	NP	21	
672.4	38	5/6			Dark-Brown Silty Sand	8	0	8	59	19	14	NP	NP	71	
669.9	40	6/6			Black and Dark-Gray Sandy Clay	9	0	5	29	45	21	69	35	52	
	42														
667.4	44	7/10			Gray Silty Sandy Gravel	10	50	14	6	16	14	30	9	4	
664.9	46	8/11			Gray Clayey Sandy Gravel	11	47	15	7	19	12	26	11	18	
662.4	48	50*(0.2)			Gray Silty Clay	12	V	I	S	U	A		L	14	
659.9	50														
	52				TOP OF ROCK										
	54		3.3	1.7	Shale, gray, argillaceous, fissile, medium-firm, with few thin sandstone seams, slightly weathered in top 3' Core Loss 14%										
	56														
	58		4.9	0.1											
649.9	60				BOTTOM OF BORING										

*Refusal

LOG OF BORING

Date Started 5/24-65 Sampler Type SS Dia. 1 3/8" Water Elev. _____

Date Completed 5/24-65 Casing: Length _____ Dia. _____

Boring No. B-3 Station & Offset 534+28, 42' Lt. (REAR PIER) Surface Elev. 698.6'

Elev.	Depth	Std. Pen. (N)	Rec. ft.	Loss ft.	Description	Sample No.	Physical Characteristics % Agg.	% C.S.	% F.S.	% Silt	% Clay	L.L.	P.I.	W.C.	SHTL Class.
698.6	0														
	2														
	4														
693.6	6	4/2			Brown and Gray Sandy Clay	1	10	5	9	32	44	29	11	21	
	8														
688.6	10	15/23			Gray and Brown Sandy Clay	2	12	7	12	34	35	25	11	12	
	12														
	14														
683.6	16	15/26			Gray Gravelly Sandy Clay	3	16	6	12	32	34	24	11	12	
	18														
678.6	20	15/24			Gray Sandy Clay	4	12	7	11	33	37	25	11	14	
	22														
	24														
673.6	26	16/20			Gray Sandy Silt	5	13	10	11	28	38	25	8	14	
671.1	28	13/18			Gray Sandy Clay	6	11	8	11	28	42	26	11	9	
668.6	30	13/18			Gray Silt and Clay	7	0	8	10	34	48	32	14	11	
666.1	32	30/36			Gray Sandy Silt	8	14	8	10	39	29	22	5	9	
663.6	34	31/42			Gray Sandy Silt	9	11	7	10	42	30	24	8	10	
661.1	36	50/*			Gray Sandy Silt	10	10	7	9	44	30	24	4	10	
658.6	38	45/45			Gray Sandy Silt	11	8	9	9	41	33	24	5	10	
656.6	40	43/45			Gray Sandy Silt	12	7	7	10	45	31	25	7	7	
653.6	42	30/35			Gray Sandy Clay	13	14	7	8	40	31	27	11	10	
	44														
	46														
648.6	48	27/34			Gray Silt and Clay	14	7	8	4	34	47	32	12	13	
	50														
	52														
643.6	54				BOTTOM OF BORING										
643.1	55	50/*			Gray Sandy Silt	15	7	9	10	45	29	24	7	15	

*Refusal

LOG OF BORING

Date Started 5-3-65 | Sampler Type SS | Dia. 1 3/8" | Water Elev.
Date Completed 5-4-65 | Casing: Length | Dia.
Boring No. B-8 | Station & Offset 536+40, 59' Rt. (FORWARD ABUTMENT) | Surface Elev. 699.9'

Elev.	Depth	Std. Pen. (N)	Rec. ft.	Loss ft.	Description	Sample No.	Physical Characteristics % Agg.	% C.S.	% F.S.	% Silt	% Clay	L.L.	P.I.	W.C.	SHTL Class.
699.9	0														
	2														
	4														
694.9	6	9/17			Mottled Brown and Gray Sandy Clay	1	11	7	8	36	38	33	15	13	
	8														
689.9	10	12/15			Brown and Gray Sandy Clay	2	6	6	9	43	36	31	13	15	
	12														
	14														
684.9	16	10/14			Brown and Gray Sandy Gravelly Silt	3	19	8	11	29	33	26	9	14	
	18														
679.9	20	13/20			Gray Sandy Clay	4	13	7	11	33	36	28	12	11	
	22														
	24														
674.9	26	13/23			Gray Gravelly Clay	5	16	7	7	33	37	27	11	13	
672.4	28	15/24			Gray Gravelly Clay	6	17	5	9	41	28	29	12	12	
669.9	30	50* (0.3')			Gray Sandy Clay	7	13	6	9	44	28	29	13	17	
667.4	32														
	34	30/40			Gray Sandy Gravelly Silt	8	18	8	8	42	24	24	7	11	
664.9	36	32/42			Gray Gravelly Silt	9	28	7	7	28	30	23	7	9	
662.4	38	41/50			Gray Gravelly Silt	10	14	6	6	35	39	22	6	10	
659.9	40	39/52			Gray Sandy Silt	11	9	6	8	47	30	24	7	11	
657.4	42	28/37			Gray Sandy Clay	12	10	6	7	42	35	26	11	13	
654.9	44	21/30			Gray Silt and Clay	13	6	5	6	38	45	30	11	13	
	46														
	48														
649.9	50	50* (0.4')			Gray Sandy Silt	14	11	8	7	47	27	23	5	10	
	52														
644.9	54	50* (0.4')			BOTTOM OF BORING										
644.5	56				Gray Sandy Gravelly Silt	15	23	7	9	35	26	23	7	12	

*Refusal

Weathered Indurated

CUY-90 0656

LOG OF BORING

Date Started 4-21-65 | Sampler Type SS | Dia. 1 3/8" | Water Elev. _____

Date Completed 4-22-65 | Casing: Length _____ | Dia. _____

Boring No. B-2 | Station & Offset 10+45, 30.0 LT. (REAR ABUTMENT) | Surface Elev. 704.0'

Elev.	Depth	Std. Pen. (N)	Rec. ft.	Loss ft.	Description	Sample No.	Physical Characteristics % Agg	% C.S.	% F.S.	% Silt	% Clay	L.L.	P.I.	W.C.	SHTL Class.
704.0	0														
	2														
	4														
699.0	6	12/13			Mottled Brown and Gray Sandy Gravelly Clay	1	17	7	9	32	35	32	14	17	
	8														
694.0	10														
	12	16/23			Gray Gravelly Sandy Clay	2	16	7	9	27	41	28	12	15	
	14														
689.0	16	14/20			Gray Gravelly Silt	3	18	5	9	29	39	27	10	17	
	18														
684.0	20														
	22	32/50			Gray Sandy Silt	4	12	8	11	35	34	22	7	12	
	24														
679.0	26	29/50			Gray Gravelly Silt	5	27	5	8	27	33	23	8	11	
676.5	28	50* (0.4')			Gray Gravelly Silt	6	34	5	2	34	25	21	6	12	
674.0	30	26/45			Gray Gravelly Clay	7	29	6	6	19	40	29	13	17	
671.5	32	50* (0.4')			Gray Gravelly Clay	8	28	9	5	19	39	29	11	16	
	34														
669.0	36	26/44			Gray Silt and Clay	9	0	3	4	32	61	28	12	16	
666.5	38	50* (0.4')			Gray Gravelly Silt	10	30	6	8	29	27	21	6	12	
664.0	40	50/* B-2			Gray Sandy Gravelly Silt	11	23	11	8	31	27	20	3	13	
661.5	42	50* (0.4')			Gray Sandy Gravelly Silt	12	31	7	9	27	26	22	7	13	
659.0	44	50* (0.4')			Gray Gravelly Silt	13	36	6	5	32	21	21	4	12	
	46														
	48														
654.0	50	50* (0.4')			Gray Silt	14	0	0	1	78	21	NP	NP	19	
	52														
649.0	54	50* (0.4')			Gray Gravelly Silt — BOTTOM OF BORING	15	27	2	3	41	27	22	4	16	
648.6	56														

*Refusal

LOG OF BORING

Date Started 4-22-65 | Sampler Type SS | Dia. 1 3/8" | Water Elev. _____

Date Completed 4-22-65 | Casing: Length _____ | Dia _____

Boring No. B-9 | Station & Offset 12+47.0, 27' Rt. (FORWARD ABUTMENT) | Surface Elev. 703.0'

Elev.	Depth	Std. Pen. (N)	Rec. ft.	Loss ft.	Description	Sample No.	Physical Characteristics % Agg.	% C.S.	% F.S.	% Silt	% Clay	L.L.	P.I.	W.C.	SHTL Class.
703.0	0														
	2														
	4														
698.0	6	17/27			Mottled Brown and Gray Gravelly Silt	1	32	4	7	23	34	28	9	14	
	8														
693.0	10	18/30			Brown and Gray Gravelly Silt	2	24	6	9	24	37	30	10	15	
	12														
	14														
688.0	16	18/22			Gray Gravelly Silt	3	14	6	9	30	41	26	8	14	
	18														
683.0	20	38/50			Gray Gravelly Silt	4	20	4	7	33	36	25	8	11	
680.5	22	23/50			Gray Gravelly Silt	5	21	4	8	30	37	26	8	12	
678.0	24	38/50			Gray Silt and Clay	6	0	4	5	35	56	30	11	13	
675.5	26	28/43			Gray Silt and Clay	7	0	3	5	35	57	32	14	13	
673.0	28	28/40			Gray Silt and Clay	8	0	3	5	32	60	28	11	15	
670.5	30	17/45			Gray Silt and Clay	9	0	3	5	33	59	32	14	16	
668.0	32	25/31			Gray Sandy Silt	10	0	15	14	36	35	21	5	12	
665.5	34	32/40			Gray Silt	11	0	8	8	42	42	26	6	13	
663.0	36	50* (0.2')			Gray Gravelly Silt	12	V	I	S	U	A	L	26	9	11
	38														
	40														
	42														
	44														
658.0	46	34/50			Gray Gravelly Clay	13	27	7	5	26	35	28	11	14	
	48														
653.0	50	24/50* (0.7')			Gray Gravelly Clay	14	38	4	3	24	31	31	12	13	
	52														
	54														
648.0					BOTTOM OF BORING										
647.0	56	32/36			Gray Silt	15	0	0	11	51	38	27	5	21	

*Refusal

LOG OF BORING

Date Started 10-5-65 | Sampler Type SS | Dia. 1 3/8" | Water Elev. _____

Date Completed 10-6-65 | Casing: Length 15' | Dia. 3 1/2"

Boring No. B-3 | Station & Offset 10+08, 16' Lt. (Rear Pier) | Surface Elev. 715.7'

Elev.	Depth	Std. Pen. (N)	Rec. ft.	Loss ft.	Description	Sample No.	Physical Characteristics % Agg.	% C.S.	% F.S.	% Silt	% Clay	L.L.	P.I.	W.C.	SHTL Class.
715.7	0														
	2														
	4														
710.7	6														
	8														
705.7	10														
	12														
	14														
700.7					TOP OF ROCK										
	16				Shale, gray, medium-firm, argillaceous, fissile, badly broken and jointed. Core Loss 10%										
	18		5.0	0.0											
695.7	20				BOTTOM OF BORING										

LOG OF BORING

Date Started 10-4-65 | Sampler Type SS | Dia. 1 3/8" | Water Elev.

Date Completed 10-5-65 | Casing: Length 14' | Dia. 3 1/2"

Boring No. B-6 | Station & Offset 11+75, 20' Rt. (Center Pier) | Surface Elev. 714.9'

Elev.	Depth	Std. Pen. (N)	Rec. ft.	Loss ft.	Description	Sample No.	Physical Characteristics % Agg.	% C.S.	% F.S.	% Silt	% Clay	L.L.	P.I.	W.C.	SHTL Class.
714.9	0														
	2														
	4														
709.9	6														
	8														
704.9	10														
	12														
700.9	14														
	16				TOP OF ROCK										
	18		3.3	0.7	Shale, gray, medium-firm, argillaceous, fissile, with clay seams, badly broken and jointed. Core Loss 15%										
694.9	20				BOTTOM OF BORING										

CUY-90-0271

LOG OF BORING

Date Started 6-22-65 Sampler Type SS Dia. 1 3/8" Water Elev. _____

Date Completed 6-24-65 Casing: Length 51' Dia. 3 1/2"

Boring No. B-2A Station & Offset 57+40, 83' RT (REAR ABUTMENT) Surface Elev. 715.7'

Elev.	Depth	Std. Pen. (N)	Rec. ft.	Loss ft.	Description	Sample No.	Physical Characteristics % Agg.	% C.S.	% F.S.	% Silt	% Clay	L.L.	P.I.	W.C.	SHTL Class.
715.7	0														
	2														
	4														
710.7	6	3/5			Brownish-Gray Sandy Gravelly Silt, with Coal/Blossom	1	22	6	12	38	22	33	9	26	
	8														
705.7	10	4/4			Brown Silty Gravelly Sand	2	19	25	30	18	8	NP	NP	9	
	12														
	14														
700.7	16	17/13			Brown Silty Gravelly Sand	3	32	26	14	20	8	25	7	9	
	18														
695.7	20	16/23			Brown Silty Sandy Gravel	4	48	28	13	-11	-	NP	NP	14	
	22														
	24														
690.7	26	4/4			Brown Sandy Silt	5		5	15	53	27	31	9	22	
	28														
685.7	30	10/12			Brown Silty Gravelly Sand	6	32	21	17	18	12	27	9	16	
	32														
	34														
680.7	36	9/11			Brown Silty Sandy Gravel	7	V		I	S	U	A	L	9	
	38														
675.7	40	6/6			Brown Silty Sandy Gravel	8	36	15	15	23	11	28	6	17	
673.2	42														
	44	5/6			Brown Silty Sandy Gravel	9	59	19	8	-14	-	NP	NP	13	
670.7	46	4/6			Brown Silty Sandy Gravel	10	43	23	13	15	6	NP	NP	15	
668.2	48	4/6			Brown Gravelly Sand	11	46	39	8	-7	-	NP	NP	28	
665.7	50	8/8			Gray Silty Sandy Gravel	12	44	17	9	19	11	19	-	11	
663.2	52														
	54				No Sample Recovered-Boulder-(Driller's Description)										
660.7		50*(0.1')													
	56				TOP OF ROCK										
	58		2.1	2.8											
	60				Shale, gray, argillaceous, fissile, medium-firm, with few thin sandstone seams, slightly weathered in top 5.0'. Core loss:25%**										
	62														
	64		4.7	0.3											
	66														
	68		4.4	0.6	**High core loss partially due to mechanical difficulties.										
645.7	70				BOTTOM OF BORING										

*Refusal

LOG OF BORING

Date Started 4-29-65
Date Completed 4-29-65
Boring No. B-6

Sampler Type SS Dia. 1 3/8"
Casing: Length ____ Dia. ____
Station & Offset 15+04, 25' Lt. (Rear Pier)

Water Elev. ____
Surface Elev. 721.0'

Elev.	Depth	Std. Pen. (N)	Rec. ft.	Loss ft.	Description	Sample No.	% Agg.	% C.S.	% F.S.	% Silt	% Clay	L.L.	P.I.	W.C.	SHTL Class.
721.0	0														
	2														
	4														
716.0	6	4/20			Brown and Gray Silt	1	0	5	6	55	34	NP	NP	22	
	8														
711.0	10	20/26			Gray Sandy Gravelly Silt	2	26	9	10	18	37	21	3	15	
	12														
707.0	14														
	16				TOP OF ROCK										
	18		3.9	1.1											
	20														
	22				Shale, gray, slightly carbonaceous, fissile, medium-firm, badly jointed, broken in parts. Core loss 12%.										
	24		3.7	1.3											
	26														
	28		5.0	0.0											
	30														
	32														
	34		5.0	0.0											
686.0					BOTTOM OF BORING										

LOG OF BORING

Date Started 4-15-65
Date Completed 4-19-65
Boring No. B-10

Sampler Type SS Dia. 1 3/8"
Casing: Length _____ Dia. _____
Station & Offset 16+49, 24' Lt. (Forward Pier)

Water Elev. _____
Surface Elev. 717.3'

Elev.	Depth	Std. Pen. (N)	Rec. ft.	Loss ft.	Description	Sample No.	Physical Characteristics % Agg.	% C.S.	% F.S.	% Silt	% Clay	L.L.	P.I.	W.C.	SHTL Class.
717.3	0														
	2														
	4														
712.3															
	6	15/21			Gray Sandy Gravelly Clay	1	21	8	11	32	28	27	11	14	
709.8															
	8	20/20			Gray Silt and Shale Fragments	2	53	6	3	22	16	25	6	11	
707.3	10														
					No Sample Recovered - Boulder.										
705.3	12														
	14		1.8	0.2	TOP OF ROCK										
	16		1.6	0.4											
	18		1.2	0.8											
	20		1.7	0.3	Shale, gray, fissile, medium-firm, broken, with many clay seams between 20.0' and 25.0', jointed. Core loss 21%.										
	22														
	24		3.2	1.8											
	26														
	28		4.8	0.2											
687.3	30				BOTTOM OF BORING										

LOG OF BORING

Date Started 4-26-65 | Sampler Type SS | Dia. 1 3/8" | Water Elev.
Date Completed 4-26-65 | Casing: Length | Dia.
Boring No. B-2 | Station & Offset 141+68, 36' Lt. (Rear Abutment) | Surface Elev. 732.7'

Elev.	Depth	Std. Pen. (N)	Rec. ft.	Loss ft.	Description	Sample No.	% Agg.	% C.S.	% F.S.	% Silt	% Clay	L.L.	P.I.	W.C.	SHTL Class.
732.7	0														
	2														
	4														
727.7															
	6	7/14			Brown and Gray Silt and Clay	1	0	2	5	41	52	34	13	23	
	8														
722.7	10														
	12	17/26			Brown Silt and Clay	2	0	4	8	45	43	30	14	18	
	14														
717.7															
	16	25/27			Gray Silty Sand	3	0	0	71	19	10	NP	NP	22	
	18														
712.7	20														
	22	35/43			Gray Silty Sandy Gravel	4	46	9	7	24	14	22	4	11	
707.7	24	50*													
707.4		(0.3')													
	26				TOP OF ROCK										
	28		4.5	0.2											
	30														
	32				Shale, dark gray, carbonaceous, fissile, jointed, with few clay seams. Core loss 1%.										
	34		5.0	0.0											
	36														
	38		5.0	0.0											
692.7	40				BOTTOM OF BORING										

LOG OF BORING

Date Started 4-27-65 | Sampler Type SS | Dia. 1 3/8" | Water Elev. _____
Date Completed 4-27-65 | Casing: Length _____ | Dia. _____
Boring No. B-9 | Station & Offset 144+61, 38' Rt. (Forward Abutment) | Surface Elev. 732.8'

Elev.	Depth	Std. Pen. (N)	Rec. ft.	Loss ft.	Description	Sample No.	% Agg.	% C.S.	% F.S.	% Silt	% Clay	L.L.	P.I.	W.C.	SHTL Class.
732.8	0														
	2														
	4														
727.8	6	8/13			Brown Sandy Clay	1	0	21	18	29	32	36	14	18	
	8														
722.8	10	10/14			Brown Sandy Gravelly Clay	2	29	14	11	21	25	30	11	25	
	12														
	14														
717.8	16	14/20			Gray Gravelly Clay	3	22	7	8	27	36	28	11	13	
	18														
712.8	20	12/15			Gray Gravelly Clay	4	22	8	7	26	37	29	13	26	
	22														
709.8	24				TOP OF ROCK										
	26		4.7	0.3											
	28														
	30														
	32		5.0	0.0	Shale, dark gray, carbonaceous, fissile, jointed, medium-firm. Core loss 2%.										
	34														
	36		4.8	0.2											
694.8	38				BOTTOM OF BORING										

LOG OF BORING

Date Started 4-27-65 Sampler Type SS Dia. 1 3/8" Water Elev.

Date Completed 4-27-65 Casing: Length Dia.

Boring No. 1B-47 Station & Offset 11+28, 23' Lt. (Rear Pier) Surface Elev. 732.6'

Elev.	Depth	Std. Pen. (N)	Rec. ft.	Loss ft.	Description	Sample No.	% Agg.	% C.S.	% F.S.	% Silt	% Clay	L.L.	P.I.	W.C.	SHTL Class.
732.6	0														
	2														
	4														
727.6	6	12/16			Brown Sandy Silt	1	0	4	19	42	35	22	5	18	
	8														
722.6	10														
	12	6/7			Gray Silty Clay	2	0	2	4	43	51	38	18	21	
	14				TOP OF ROCK										
717.6	16														
	18		2.8	1.7	Shale, dark gray, carbonaceous, fissile, medium-firm, jointed and broken, slightly weathered in top 1.0'. Core Loss 19%										
	20		2.8	1.7											
	22														
	24		4.5	0.5											
	26														
	28		4.4	0.6											
702.6	30				BOTTOM OF BORING 802										

LOG OF BORING

Date Started 4-27-65 Sampler Type SS Dia. 1 3/8" Water Elev. _____

Date Completed 4-27-65 Casing: Length _____ Dia. _____

Boring No. 1B-7 Station & Offset 12+72, 18' Rt. (Forward Pier) Surface Elev. 732.0'

Elev.	Depth	Std. Pen. (N)	Rec. ft.	Loss ft.	Description	Sample No.	% Agg.	% C.S.	% F.S.	% Silt	% Clay	L.L.	P.I.	W.C.	SHTL Class.
732.0	0														
	2														
	4														
727.0	6	12/18			Brown and Gray Clayey Silt	1	0	0	2	51	47	29	10	21	
	8														
722.0	10														
	12	21/24			Gray Sandy Gravelly Silt	2	16	6	9	49	20	22	9	14	
	14				TOP OF ROCK										
717.0															
	16														
	18		3.9	1.1	Shale, dark gray, slightly carbonaceous, fissile, medium-firm, jointed and badly broken, with slightly weathered intervals. Core Loss 3%										
	20														
	22														
	24		4.5	0.5											
	26														
	28		5.0	0.0											
702.0	30				BOTTOM OF BORING										

LOG OF BORING

Date Started 4-28-65 | Sampler Type SS | Dia. 1 3/8" | Water Elev. _____

Date Completed 4-28-65 | Casing: Length _____ | Dia. _____

Boring No. B-3 | Station & Offset 7+69±, 25.0' Rt (Rear Pier) | Surface Elev. 735.3'

Elev.	Depth	Std. Pen. (N)	Rec. ft.	Loss ft.	Description	Sample No.	Physical Characteristics % Agg.	% C.S.	% F.S.	% Silt	% Clay	L.L.	P.I.	W.C.	SHTL Class.
735.3	0														
	2														
	4														
730.3	6	6/7			Mottled Brown and Gray Silt and Clay	1	0	7	12	33	48	33	13	18	
	8														
725.3	10														
723.3	12	22/25			Gray Sandy Clay with Shale Fragments TOP OF ROCK	2	28	10	6	29	27	31	11	11	
721.3	14		1.8	1.2	Clay shale, gray, very soft and crumbly, slightly weathered. Core loss 35%.										
	16				Shale, gray, slightly carbonaceous, fissile, jointed, very badly broken. Core loss 45%.										
717.3	18		3.4	1.6											
	20				Clay shale, gray, soft and crumbly, slightly weathered. Core loss 6%.										
	22														
712.3			5.0	0.0											
	24				Shale, gray, slightly carbonaceous, fissile, medium-firm, jointed. No core loss.										
	26														
708.3															
	28		5.0	0.0	Clay shale, gray, soft and crumbly, slightly weathered. No core loss.										
705.3	30														
	32				Shale, dark gray, carbonaceous, fissile, medium-firm, jointed. Core loss 4%.										
	34		4.8	0.2											
700.3					BOTTOM OF BORING										

LOG OF BORING

Date Started 4-29-65
Date Completed 4-29-65
Boring No. B-8

Sampler Type SS Dia. 1 3/8"
Casing: Length ____ Dia. ____
Station & Offset 9+78, 49.5' Lt. (Forward Pier)

Water Elev. ____
Surface Elev. 735.0'

Elev.	Depth	Std. Pen. (N)	Rec. ft.	Loss ft.	Description	Sample No.	% Agg.	% C.S.	% F.S.	% Silt	% Clay	L.L.	P.I.	W.C.	SHTL Class.
735.0	0														
	2														
	4														
730.0	6	7/14			Brown and Gray Silt and Clay	1	0	2	5	43	50	35	15	21	
	8														
725.0	10														
724.0		15/60			Gray Silt with Shale Fragments	2	44	7	4	22	23	29	10	12	
	12				Dark gray clayey silt with stone fragments.										
721.0	14		4.8	0.2											
					TOP OF ROCK										
	16														
	18		5.0	0.0	Shale, dark gray, carbonaceous, fissile, jointed and badly broken, with clay seams, medium firm. No core loss.										
714.5	20														
	22														
	24		4.5	0.5	Clay shale, gray, fissile, very soft and crumbly, jointed and broken, slightly weathered with few carbonaceous shale seams. Core loss 6%.										
	26														
	28														
706.0	30		5.0	0.0											
	32				Shale, dark gray, carbonaceous, fissile, medium-firm, jointed and broken, with few clay seams. Core loss 9%.										
	34		4.4	0.6											
699.0	36				BOTTOM OF BORING										

SOIL PROFILE
CUYAHOGA COUNTY
CUY - 90 - 10.40

OHIO STATE HIGHWAY TESTING LABORATORY
1620 W. BROAD ST. COLUMBUS, OHIO 43223

5/8

LOG OF BORING

Date Started 6-12-69 | Sampler Type SS | Dia 1 3/8" | Water Elev

Date Completed 6-12-69 | Casing: Length | Dia

Boring No B-2 | Station & Offset 46+21, 32' Lt. (Rear Abutment) | Surface Elev 734.5'

Elev	Depth	Std. Pen. (N)	Rec. ft.	Loss ft.	Description	Sample No.	% Agg	% C.S.	% F.S.	% Silt	% Clay	L.L.	P.I.	W.C.	SMTL Class.
734.5	0														
	2														
	4														
729.5															
	6	13/20			Sample Not Recovered - Brown Silty Clay with Bouldere (Driller's Description)		V	I	S	U	A	L			
	8														
724.5					TOP OF WEATHERED SHALE										
724.2	10	50*/ (0.3')			Gray Weathered Shale	1	50	1	5	24	20	-	-	9	Visual
					TOP OF ROCK										
	12														
	14		3.0	1.7											
	16														
	18		2.6	2.4											
	20														
	22				Shale, gray, medium-firm, to firm, carbonaceous, argillaceous, pyritiferous, calcareous in part, thin-bedded, highly broken, interbedded with a moderately thin clay seam and thin limestone seam. Core Loss 36%.										
	24		1.8	3.2											
	26														
	28		3.3	1.7											
	30														
	32		5.0	0.0											
	34														
699.5					BOTTOM OF BORING										

*Refusal

LOG OF BORING

Date Started 6-13-69 | Sampler Type SS | Dia. 1 3/8" | Water Elev

Date Completed 6-18-69 | Casing Length 13' | Dia 3 1/2"

Boring No B-5 | Station & Offset 48+46, 32' Rt. (Forward Abutment) | Surface Elev 735.0'

Elev.	Depth	Std. Pen (N)	Rec ft.	Loss ft.	Description	Sample No.	% Agg	% C.S.	% F.S.	% Silt	% Clay	L.L.	P.I.	W.C.	Class
735.0	0														
	2														
	4														
730.0															
	6	10/13			Brown Silt and Clay	1	0	6	14	32	48	23	11	15	A-6a
727.0	8				TOP OF EXTREMELY WEATHERED ROCK										
725.0	10	50* (0.8')			Gray Extremely Weathered Shale	2	18	0	2	44	36	29	9	10	Visual
	12														
	14														
720.0	16	50*/ (0.4')			Gray Extremely Weathered Shale	3	29	11	11	21	28	27	9	8	Visual
	18														
716.0					TOP OF WEATHERED ROCK										
715.5	20	50/*			Gray Weathered Shale	4	20	16	8	18	38	30	11	24	Visual
					TOP OF ROCK										
	22		5.0	0.0											
	24														
	26				Shale, black, medium-firm to firm, carbonaceous, argillaceous, calcareous in part, pyritiferous, thin to medium-bedded, jointed, interbedded with thin clay seams. Core Loss 10%.										
	28		3.7	1.3											
	30														
	32		4.3	0.2											
700.5	34														

BOTTOM OF BORING

*Refusal

LOG OF BORING

Date Started 6-19-69
Date Completed 6-24-69
Boring No B-1

Sampler Type SS Dia 1 3/8"
Casing Length 8' Dia 3 1/2"
Station & Offset 46+50, 21' Rt. (Rear Abutment)

Water Elev
Surface Elev 743.0'

Elev	Depth	Std. Pen. (N)	Rec ft.	Loss ft.	Description	Sample No.	Physical Characteristics % Agg	% C.S.	% F.S.	% Silt	% Clay	L.L.	P.I.	A.C.	SHTL Class.
743.0	0														
	2														
	4														
738.0	6	2/3			**Gray Silt with Shale Fragments**	1	36	6	7	28	23	31	6	17	A-4a
735.0	8														
	10		0.4	1.6	TOP OF ROCK										
	12		4.1	0.9											
	14														
	16														
	18		4.9	0.1											
	20														
	22		4.4	0.6	Shale, black, medium-firm to firm, carbonaceous, argillaceous, pyritiferous, poorly fissile, thin-bedded, jointed, broken, interbedded with thin clay seams. Core Loss 14%.										
	24														
	26														
	28		4.7	0.3											
	30														
	32														
	34		4.8	0.2											
708.0					BOTTOM OF BORING										

LOG OF BORING

Date Started 6-18-69 | Sampler Type SS | Dia. 1 3/8" | Water Elev.
Date Completed 6-19-69 | Casing Length | Dia.
Boring No. B-6 | Station & Offset 49+03, 18' Lt. (Forward Abutment) | Surface Elev. 742.5'

Elev.	Depth	Std. Pen. (N)	Rec. ft.	Loss ft.	Description	Sample No.	% Agg.	% C.S.	% F.S.	% Silt	% Clay	L.L.	P.I.	W.C.	Soil Class.
742.5	0														
	2														
	4														
737.5		50# (0.8')													
736.7	6				Gray Silt and Clay	1	0	3	6	35	56	28	11	17	A-6a
					TOP OF ROCK										
	8		1.5	2.7											
	10														
	12														
	14		3.2	1.8											
	16														
	18		2.3	2.7											
	20				Shale, black, medium-firm to firm, carbonaceous, argillaceous, thin-bedded, jointed, poorly fissile, highly broken in upper 1/3 of interval, interbedded with thin clay seams. Core Loss 30%.										
	22														
	24		4.7	0.3											
	26														
	28		3.9	1.1											
	30														
	32														
	34		4.9	0.1											
707.5					BOTTOM OF BORING										

*Refusal

LOG OF BORING

Date Started 6-11-69 | Sampler Type SS | Dia. 1 3/8" | Water Elev. _____

Date Completed 6-12-69 | Casing: Length 8' | Dia. 3 1/2"

Boring No. B-1 | Station & Offset 74+18, 24' Lt. (Rear Abutment) | Surface Elev. 751.6'

Elev.	Depth	Std. Pen (N)	Rec. ft.	Loss ft.	Description	Sample No	% Agg	% C.S.	% F.S.	% Silt	% Clay	L.L.	P.I.	W.C.	S.M.T.L. Class.
751.6	0														
	2														
	4														
746.6															
	6	5/5			Brownish-Gray Silty Sandy Gravel	1	42	17	6	14	21	-	-	22	-
744.1					TOP OF ROCK										
743.6	8	25/*			Gray Sandy Gravelly Silt	2	35	16	9	19	21	28	10	13	A-4a
741.6	10				Clay Shale, gray, soft (Driller's Description)										
	12														
	14		3.9	1.1											
	16														
	18		4.5	0.5											
	20				Shale, black, medium-firm to firm, carbonaceous, argillaceous, pyritiferous, thin-bedded, jointed, highly broken, interbedded with thin clay seams. Core Loss 8%.										
	22														
	24		5.0	0.0											
	26														
	28		5.0	0.0											
721.6	30				BOTTOM OF BORING										

*Refusal

LOG OF BORING

Date Started 6-10-69 | Sampler Type SS | Dia. 1 3/8" | Water Elev.

Date Completed 6-11-69 | Casing Length 7' | Dia. 3 1/2"

Boring No. B-6 | Station & Offset 76+90, 24' Rt. (Forward Abutment) | Surface Elev. 749.4'

Elev.	Depth	Std. Pen. (N)	Rec. ft.	Loss ft.	Description	Sample No.	Physical Characteristics % Agg	% C.S.	% F.S.	% Silt	% Clay	L.L.	P.I.	W.C.	SHTL Class.
749.4	0														
	2														
	4														
744.4 / 743.9	6	50/*			Gray Silty Sandy Gravel	1	40	14	7	23	16	NP	NP	13	A-4a
					TOP OF ROCK										
	8		2.8	1.7											
	10														
	12		5.0	0.0											
	14														
	16														
	18		5.0	0.0											
	20				Shale, black, firm, carbonaceous, argillaceous, pyritiferous, thin-bedded, jointed, broken, interbedded with thin clay seams. Core Loss 10%.										
	22														
	24		5.0	0.0											
	26														
	28		4.8	0.2											
	30														
	32														
	34		4.3	0.7											
	36														
	38		4.3	0.7											
709.4	40				BOTTOM OF BORING										

*Refusal

LOG OF BORING

Date Started 6-5-69 | Sampler Type SS | Dia 1 3/8" | Water Elev.
Date Completed 6-6-69 | Casing: Length None | Dia
Boring No. B-6 | Station & Offset 672+60, 88' Lt. (Rear Pier) | Surface Elev. 758.3'

Elev.	Depth	Std. Pen. (N)	Rec. ft.	Loss ft.	Description	Sample No.	% Agg.	% C.S.	% F.S.	% Silt	% Clay	L.L.	P.I.	W.C.	S.U.T.L. Class.
758.3	0														
	2														
	4														
753.3	6	9/14			Gray Sandy Clay	1	2	13	7	46	32	33	14	20	A-6a
750.8					TOP OF WEATHERED ROCK										
	8	10/15			Gray Sandy Silt	2	1	13	15	47	24	27	9	18	A-4a
749.3															
748.3	10	50/*			Gray Weathered Shale	3	19	21	13	30	17	26	6	8	Visual
747.8					TOP OF ROCK										
	12		3.9	0.6											
	14														
	16				Shale, black, medium-firm to firm, carbonaceous, argillaceous, pyritiferous, thin-bedded, jointed, highly broken, interbedded with thin clay seams. Core Loss 5%.									
	18		5.0	0.0											
	20														
	22														
	24		4.9	0.1											
733.3					BOTTOM OF BORING										

*Refusal

LOG OF BORING

Date Started 8-11-69 | Sampler Type SS | Dia. 1 3/8" | Water Elev.
Date Completed 8-12-69 | Casing: Length 7' | Dia. 3 1/2"
Boring No. B-1 | Station & Offset 684+64, 117' Rt. (Rear Abutment) | Surface Elev. 755.0'

Elev.	Depth	Std. Pen (N)	Rec. ft.	Loss ft.	Description	Sample No.	% Agg	% C.S	% F.S.	% Silt	% Clay	L.L.	P.I.	W.C.	SHTL Class.
755.0	0														
	2														
	4														
750.0															
	6	18/36			Gray Sandy Gravelly Silt TOP OF ROCK	1	30	13	12	29	16	25	5	17	A-4a
748.0															
747.7	8	50*/ (0.3')			Gray Weathered Shale	2	66	16	5	7	6	-	-	21	Visual
	10		2.7	0.0											
	12														
	14		5.0	0.0	Shale, black, medium-firm to firm, argillaceous, carbonaceous, pyritiferous, thin-bedded, jointed, highly broken. Core Loss 1%.										
	16														
	18		4.9	0.1											
735.0	20				BOTTOM OF BORING										

*Refusal

LOG OF BORING

Date Started 8-6-69 | Sampler Type SS | Dia. 1 3/8" | Water Elev. _____

Date Completed 8-7-69 | Casing: Length 10' | Dia. 3 1/2"

Boring No. B-36 | Station & Offset 695+43, 35' Rt. (Eighth Pier) | Surface Elev. 753.9'

Elev.	Depth	Std. Pen. (N)	Rec. ft.	Loss ft.	Description	Sample No.	Physical Characteristics % Agg	% C.S	% F.S	% Silt	% Clay	L.L.	P.I.	W.C.	SHTL Class.
753.9	0														
	2														
	4														
748.9	6	6/10			Brownish-Gray Clay	1	0	1	4	31	64	49	24	24	A-7-6
746.9	8	50* (0.7')			Gray Silty Clay	2	0	6	8	38	48	42	16	17	A-7-6
743.9	10	50*			TOP OF ROCK										
743.7		(0.2')			Gray Weathered Shale	3	43	22	3	11	11	-	-	11	Visual
	12														
	14		4.0	0.8											
	16				Shale, black, medium-firm to firm, carbonaceous, argillaceous, pyritiferous in part, thin-bedded. Core Loss 8%.										
	18		4.8	0.2											
	20														
	22														
	24		4.9	0.1											
728.9					BOTTOM OF BORING										

*Refusal

LOG OF BORING

Date Started 7-10-69 | Sampler Type SS | Dia. 1 3/8" | Water Elev.

Date Completed 7-10-69 | Casing: Length | Dia.

Boring No. B-4 | Station & Offset 47+95, 42' Lt. (1st Pier) | Surface Elev 744.7'

Elev	Depth	Std. Pen. (N)	Rec ft.	Loss ft.	Description	Sample No.	% Agg	% C S	% F S	% Silt	% Clay	L L	P I	W C	SHTL Class.
744.7	0				Blacktop										
744.4					TOP OF WEATHERED ROCK										
	2														
	4														
739.7															
	6	15/24			Gray Weathered Shale	1	0	5	11	41	43	32	9	13	Visual
	8														
735.7															
	10		1.0	0.0	TOP OF ROCK										
	12														
	14		2.2	2.8											
	16				Shale, black, medium-firm to firm, carbonaceous, argillaceous, pyritiferous, in part, thin-bedded, jointed, interbedded with thin clay seams. Core Loss 28%.										
	18		3.9	1.1											
	20														
	22														
	24		4.4	0.6											
719.7															

BOTTOM OF BORING

LOG OF BORING

Date Started 7-8-69 | Sampler Type SS | Dia 1 3/8" | Water Elev.
Date Completed 7-10-69 | Casing Length 22' | Dia 3 1/2"
Boring No. B-19 | Station & Offset 50+50, 45' Rt. (4th Pier) | Surface Elev. 743.5'

Elev.	Depth	Std. Pen. (N)	Rec. ft.	Loss ft.	Description	Sample No	% Agg.	% C S	% F S	% Silt	% Clay	L L	P I	W C	SHTL Class
743.5	0														
	2														
	4														
738.5															
	6	12/17			Gray Sandy Clay	1	0	8	15	30	47	27	11	18	A-6a
736.0	8	50* (0.8')			Gray Silt	2	-	-	-	-	-	27	6	7	-
733.5	10				Possible Backfill for Buried Utilities										
		15/25			Gray Silt	3	-	-	-	-	-	29	8	13	-
	12														
731.0															
	14				No Sample Recovered										
728.5		50*													
	16	(0.8')			Gray Sandy Clay	4	0	27	18	23	32	31	11	6	A-6a
726.0	18														
					No Sample Recovered										
723.5	20	50*													
721.9		(0.6')			Brown Silt and Clay	5	0	12	7	36	45	33	12	10	A-6a
	22				TOP OF ROCK										
	24		0.9	3.5											
	26														
	28		2.9	2.1	Shale, black, medium-firm to firm, carbonaceous, argillaceous, pyritiferous, thin-bedded, highly broken and jointed, interbedded with thin clay seams. Core Loss 40%.										
	30														
	32														
	34		4.0	0.1											
	36														
	38		4.3	0.7											
703.5	40				BOTTOM OF BORING										

*Refusal

LOG OF BORING

Date Started 7-11-69 | Sampler Type S3 | Dia. 1 3/8" | Water Elev. _____

Date Completed 7-15-69 | Casing: Length 25' | Dia. 3 1/2"

Boring No. 3-1 | Station & Offset 45+90, 36' Lt. (Rear Abutment) | Surface Elev. 738.6'

Elev.	Depth	Std. Pen. (N)	Rec. ft.	Loss ft.	Description	Sample No.	Physical Characteristics % Agg	% C.S	% F.S	% Silt	% Clay	L.L.	P.I.	W.C.	SHTL Class.
738.6	0														
	2														
	4														
733.6	6	12/12			Brownish-Gray Silt and Clay	1	0	2	8	43	47	29	11	16	A-6a
	8														
728.6	10	6/14			Gray Silt	2	0	1	16	52	31	NP	NP	17	A-4b
	12														
	14														
723.6	16	13/17			Gray Sandy Silt	3	0	1	47	40	12	NP	NP	23	A-4a
	18														
718.6	20	11/17			Gray Sandy Silt with Shale Fragments	4	28	12	14	23	23	NP	NP	13	A-4a
	22														
714.6	24				TOP OF ROCK										
713.6		50*/ (0.2')			Shale, Gray (Driller's Description)		V	I	S	U	A	L			
	26														
	28		4.8	0.2											
	30				Shale, black, medium-firm to firm, carbonaceous, argillaceous, pyritiferous, jointed, thin-bedded, highly broken. Core Loss 6%.										
	32		4.6	0.4											
	34														
703.6					BOTTOM OF BORING										

*Refusal

LOG OF BORING

Date Started 8/7/77
Date Completed 8/7/77
Boring No. B37

Sampler Type HOLLOW STEM AUGER Dia.
Casing: Length Dia.
Station & Offset 447+83.282 RT (FORWARD ABUTMENT)

Water Elev.
Surface Elev. 732.0

Elev.	Depth	Std. Pen. (N)	Rec. ft.	Loss ft.	Description	Sample No.	% Agg	% C.S.	% F.S.	% Silt	% Clay	L.L.	P.I.	W.C.	SHTL Class.
732.0	0														
	2				BROWN SILT AND CLAY (DRILLER'S DESCRIPTION)										
	4														
	6														
729.0	8														
	10				GRAY SILT (DRILLER'S DESCRIPTION)										
	12														
724.0															
	14				GRAY SILTY FINE SAND (DRILLER'S DESCRIPTION)										
	16														
720.0															
	18														
	20				GRAY WET SANDY SILTY CLAY (DRILLER'S DESCRIPTION)										
	22														
713.5					TOP OF ROCK										
	24				CLAY SHALE, BLACK, SOFT WITH CLAY SEAMS, BROKEN.										
712.5															
	26		0.9	3.1	CLAY SHALE, BLACK, MEDIUM-FIRM TO FIRM, CARBONACEOUS, PYRITIFEROUS, THIN-BEDDED WITH CLAY SEAMS, VERY BADLY BROKEN AND JOINTED. CORE LOSS 78%										
709.5	28														
	30		4.7	0.3	CLAY SHALE, BLACK, MEDIUM-FIRM TO FIRM, CARBONACEOUS, PYRITIFEROUS, JOINTED, THIN-BEDDED, BADLY BROKEN. CORE LOSS 6%										
	32														
709.5	34				BOTTOM OF BORING										

LOG OF BORING

Date Started 7-9-69 Sampler Type SS Dia. 1 3/8" Water Elev

Date Completed 7-15-69 Casing: Length 32' Dia. 3 1/2"

Boring No. B-1 Station & Offset 47+60, 26' Lt. (Rear Abutment) Surface Elev 742.7'

Elev	Depth	Std Pen. (N)	Rec ft.	Loss ft.	Description	Sample No	% Agg	% C S	% F S	% Silt	% Clay	L L	P I	W C	SHTL Class.
742.7	0														
	2														
	4														
737.7	6	3/2			Brown Sandy Silt	1	13	13	11	36	27	26	9	21	A-4a
	8														
732.7	10	10/11			Gray Silt and Clay	2	0	3	5	33	59	30	12	18	A-6a
	12														
	14														
727.7	16	10/16			Gray Silt and Clay	3	8	3	6	35	48	27	11	16	A-6a
	18														
722.7	20	22/18			Brown Silty Sand	4	5	19	51	9	16	NP	NP	20	A-3a
	22														
	24														
717.7	26	11/15			Gray Silt and Clay	5	0	2	3	19	76	35	15	27	A-6a
	28														
712.7					TOP OF WEATHERED ROCK										
712.4	30	30*/ (0.3')			**										
					TOP OF ROCK										
	32														
	34		3.5	0.8											
	36				Shale, black, medium-firm to firm, carbonaceous, argillaceous, pyritiferous, jointed, thin-bedded, broken, interbedded with thin clay seams. Core Loss 9%.										
	38		4.8	0.2											
	40														
	42		5.0	0.0											
697.7					BOTTOM OF BORING										
						6						22	7	14	Visual

*Refusal **Gray Weathered Shale

LOG OF BORING

Date Started 7-8-69 | Sampler Type SS | Dia 1 3/8" | Water Elev.

Date Completed 7-9-69 | Casing Length 32' | Dia 3 1/2"

Boring No B-8 | Station & Offset 49+92, 35' Rt. (Wingwall) | Surface Elev 743.7'

Elev.	Depth	Std. Pen. (N)	Rec. ft.	Loss ft.	Description	Sample No.	% Agg.	% C.S	% F.S	% Silt	% Clay	L.L.	P.I.	W.C.	SHTL Class.
743.7	0														
	2														
	4														
733.7	6	3/4			Brown Silty Gravelly Sand	1	24	41	6	9	20	NP	NP	15	A-2-4
	8														
733.7	10	11/16			Gray Silt and Clay	2	0	3	5	30	62	31	11	17	A-6a
	12														
	14														
728.7	16	8/12			Gray Silt and Clay	3	0	7	8	37	48	28	11	17	A-6a
	18														
723.7	20	20/25			Gray Sandy Silt	4	0	1	39	32	28	NP	NP	13	A-4a
	22														
	24														
718.7	26	14/20			Gray Silt	5	0	6	12	44	38	22	6	11	A-4a
	28														
713.7	30				TOP OF WEATHERED ROCK										
712.7		16/65			Gray Weathered Shale	6	49	12	9	15	15	26	9	12	Visual
	32				TOP OF ROCK										
	34		3.3	0.7											
	36				Shale, black, medium-firm to firm, carbonaceous, argillaceous, pyritiferous, thin-bedded, jointed, interbedded with thin clay seams. Core Loss 7%.										
	38		4.7	0.3											
	40														
	42														
			5.0	0.0											
	44														
698.7					BOTTOM OF BORING										

LOG OF BORING

Date Started 7-10-69 | Sampler Type SS | Dia 1 3/8" | Water Elev.

Date Completed 7-11-69 | Casing Length | Dia.

Boring No. B-5 | Station & Offset 770+07, 91' Rt. (Rear Pier) | Surface Elev 724.0'

Elev	Depth	Std. Pen. (N)	Rec. ft.	Loss ft.	Description	Sample No	% Agg	% C.S	% F.S	% Silt	% Clay	L.L.	P.I.	W.C.	AASHTO Class.
724.0	0														
	2														
	4														
719.0															
	6	5/10			Brown Sandy Silt	1	0	9	31	29	31	22	6	15	A-4a
	8														
714.0	10				TOP OF WEATHERED ROCK										
713.0		12/12			Gray Weathered Shale	2	0	13	16	29	37	27	8	14	Visual
	12				TOP OF ROCK										
	14		4.0	0.0											
	16														
	18		5.0	0.0	Shale, black, medium-firm to firm, carbonaceous, argillaceous, pyritiferous, thin-bedded, jointed, interbedded with thin clay seams. Core Loss 4%.										
	20														
	22														
	24		4.5	0.5											
699.0															

BOTTOM OF BORING

LOG OF BORING

Date Started 7-15-69 | Sampler Type SS | Dia 1 3/8" | Water Elev

Date Completed 7-16-69 | Casing: Length | Dia

Boring No. B-12 | Station & Offset 771+86, 91' Lt. (Forward Pier) | Surface Elev 715.3'

Elev	Depth	Std. Pen. (N)	Rec ft.	Loss ft.	Description	Sample No	% Agg	% C.S.	% F.S.	% Silt	% Clay	L.L.	P.I.	W.C.	SHTL Class.
715.3	0														
	2														
	4														
710.3															
709.3	6	14/30			Gray Silt and Stone Fragments	1	56	5	6	17	16	29	8	16	A-2-4
					TOP OF ROCK										
	8		3.7	0.3											
	10														
	12		4.5	0.5											
	14														
	16				Shale, black, medium-firm to firm, carbonaceous, argillaceous, pyritiferous in part, jointed, thin-bedded, broken, interbedded with thin clay seams. Core Loss 4%.										
	18		5.0	0.0											
	20														
	22		5.0	0.0											
	24														
690.3					BOTTOM OF BORING										

LOG OF BORING

Date Started 7-29-69 | Sampler Type SS | Dia. 1 3/8" | Water Elev. _____

Date Completed 7-30-69 | Casing: Length 30' | Dia. 3 1/2"

Boring No. B-7 | Station & Offset 755+45, 107' Rt. (Retaining Wall) | Surface Elev 740.5'

CUY-90-10

Elev.	Depth	Std. Pen. (N)	Rec. ft.	Loss ft.	Description	Sample No.	% Agg.	% C.S.	% F.S.	% Silt	% Clay	L.L.	P.I.	W.C.	SHTL Class.
740.5	0														
	2				Brown and Gray Silty Gravelly Clay & Brick Fragments										
	4														
735.5	6	5/7			Brownish-Gray Sandy Clay	1	0	5	20	32	43	30	15	22	A-6a
	8														
730.5	10	6/7			Gray Sandy Silt	2	0	10	33	34	23	NP	NP	15	A-4a
	12														
	14														
725.5	16	4/8			Gray Clayey Silt	3	0	4	14	45	37	22	9	22	A-4a
	18														
720.5	20	10/12			Gray Clayey Silt	4	0	1	3	66	30	18	7	16	A-4b
	22														
	24														
715.5	26	20/23			Gray Sandy Silt	5	0	7	31	36	26	NP	NP	15	A-4a
	28														
710.0	30	50/*			Gray Silty Sandy Gravel	6	36	15	16	21	12	19	7	11	A-2-4
	32		2.6	1.9	TOP OF ROCK										
	34														
	36				Shale, black, medium-firm to firm, carbonaceous, argillaceous, pyritiferous in part, thin-bedded, jointed, broken in upper intervals Core Loss 14%.										
	38		4.9	0.1											
	40														
	42		5.0	0.0											
	44														
695.5					BOTTOM OF BORING										

*Refusal

SOIL PROFILE

CUYAHOGA COUNTY

CUY-IR 90-6.62

OHIO STATE HIGHWAY TESTING LABORATORY
1600 W. BROAD ST. COLUMBUS 23, OHIO

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SOIL PROFILE

CUYAHOGA COUNTY

CUY-IR 90-7.69

OHIO STATE HIGHWAY TESTING LABORATORY
1620 W. BROAD ST. COLUMBUS 23 OHIO

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