

State of Ohio
Department of Transportation
Division of Highways
Testing Laboratory

Date Started 4/29/03 Sampler: Type SS Dia. 2.0" Water Elev. 480.4ft
Date Completed 4/29/03 Casing: Length 3.25" LOG OF BORING

Project: HAM-50-31.95

Project No.: Q3011G

Location: Hamilton County, Ohio

Boring No. S-1 Station & Offset 695+65.81, 33.47' Rt. Surface Elev 496.92ft

Elev. (ft)	Depth (ft)	Std. Pen. / or ROD	Rec. (ft)	Loss (ft)	Description	Sample No.	Physical Characteristics								ODDT Class
							% Agg	% C.S.	% F.S.	% Silt	% Clay	L.L.	P.I.	W.C.	
496.9	0					1	--	--	--	--	--	--	--	--	VISUAL
	2	1 - 2 - 2			Soft, brown-gray, cohesive SANDY SILT (A-4a), little gravel, little clay, moist. (fill)										
493.9	4	3 - 3 - 3			Loose, brown-gray GRAVEL WITH SAND AND SILT (A-2-4), moist to wet. (fill)	2	--	--	--	--	--	--	--	--	VISUAL
	6	2 - 5 - 2			Note: Seepage at 7.4 feet through thin (#1.0 inch) sand seam.	3	--	--	--	--	--	--	--	--	VISUAL
	8	2 - 4 - 5				4	--	--	--	--	--	--	--	--	VISUAL
487.4	10	2 - 3 - 3			Medium stiff, brown, cohesive SILT (A-4b), "and" clay, trace sand, moist. (fill)	5	0	0	1	54	45	--	--	--	A-4b
484.4	12	2 - 4 - 2			Medium stiff to soft, brown SILT AND CLAY (A-6a), little sand, trace gravel, moist.	6	1	3	9	43	44	--	--	--	A-6a
	14	2 - 2 - 2			Loose, brown COARSE AND FINE SAND (A-3a), some gravel, some silt and clay, moist to wet. Note: Wet at 16.5 feet upon completion of drilling.	7	1	3	14	33	49	34	13	30	A-6a
481.4	16	2 - 4 - 4				8	12	24	32	--	33	NP	NP	20	A-3a
	18	3 - 4 - 3			Note: Wet at 18.5 feet during drilling.	9	33	18	17	--	31	NP	NP	23	A-2-4
	20	3 - 3 - 4				10	--	--	--	--	--	--	--	--	VISUAL
473.9	22	4 - 5 - 5			Loose to medium dense, brown GRAVEL WITH SAND (A-1-b), some silt and clay, wet.	11	--	--	--	--	--	--	--	--	VISUAL
	24	5 - 5 - 6			Very stiff to hard, gray, cohesive SILT (A-4b), some clay, moist.	12	63	13	4	--	20 *	NP	NP	11	A-1-b
468.9	26	7 - 10 - 11				13	--	--	--	--	--	--	--	--	VISUAL
465.9	28	4 - 8 - 10			Very stiff to hard, gray CLAY (A-7-6), trace sand, moist.	14	--	--	--	--	--	--	--	--	VISUAL
	30	8 - 13 - 16				15	--	--	--	--	--	--	--	--	VISUAL
460.9	32					16	--	--	--	--	--	--	--	--	VISUAL
	34					17	--	--	--	--	--	--	--	--	VISUAL
	36					18	0	1	2	--	97 *	58	38	23	A-7-6
	38					19	--	--	--	--	--	--	--	--	VISUAL
	40						--	--	--	--	--	--	--	--	
	42						--	--	--	--	--	--	--	--	
	44						--	--	--	--	--	--	--	--	
	46						--	--	--	--	--	--	--	--	
	48						--	--	--	--	--	--	--	--	
	50						--	--	--	--	--	--	--	--	
	52						--	--	--	--	--	--	--	--	
	54						--	--	--	--	--	--	--	--	
	56						--	--	--	--	--	--	--	--	
	58						--	--	--	--	--	--	--	--	
436.9	60	5 - 11 - 15					--	--	--	--	--	--	--	--	

TERMINATION DEPTH = 60.0 FEET

Particle Sizes: Agg = 2.00mm, Coarse Sand = 0.42-0.074mm, Fine Sand = 0.074-0.005mm, Clay = 0.005mm (*Indicates silt & clay combined)

Form TE-151 Revised 9/94

D₅₀-VALUES

BORING NO.	SAMPLE NO.	DEPTH (FEET)	D 50 (INCHES)
S-1	5	11.0	0.0003
S-1	6	12.5	0.0003
S-1	7	14.0	0.0002
S-1	8	15.5	0.0093