

Date Started 12/29/93 Sampler Type S.S. Dia. 2.0" Water Encountered 49'-5" Project I.D.: 142-35142  
 Date Completed 12/29/93 Casing Length 5.0' Dia. 3.25" Water on Completion 49'-5" S.R. 528 OVER I-90  
 Surface Elevation 825.8± LAKE COUNTY

Boring No: B-1 Station & Offset 28 + 07, 8' LEFT

Elev.	Std. Pen. Test	Description	Depth (Feet)	SAMPLE NUMBER	% Agg.	% C.S.	% F.S.	% SILT	% CLAY	L.L.	P.I.	W.C.	SHTL Class	Q <sub>u</sub> (psf)
824.5				AU-1									A-3b	
6-9-9		HARD/V/STIFF, MOIST, BROWN TO GRAY SILT, TRACE ROCK FRAGMENTS, TRACE SAND.	5	SS-2										4600.0
				ST-3										
3-6-9			10	SS-4										
4-6-7			15	SS-5	3	6	6	50	35	25	8	18	A-4b	6681.0
			20	ST-6										
8-12-12			25	SS-7										
10-18-24			30	SS-8										
13-16-19			35	SS-9										
9-13-15			40	SS-10										
6-8-11			45	SS-11										
6-9-9			50	SS-12										
5-7-8			55	SS-13										
766.8			60	SS-14				100				23	A-4b	
762.8			65	SS-15								12	A-3a	
756.8 755.8		40-50/4' *** END OF BORING 70'-0" *** 1" ASPHALT CONCRETE *** 6" SAND & GRAVEL BASE ***	70	SS-16										

Date Started 1/10/94 Sampler Type S.S. Dia. 2.0" Water Encountered 28'-5" Project I.D.: 142-35142  
 Date Completed 1/10/94 Casing Length 5.0' Dia. 3.25" Water on Completion NONE BRIDGE EXTENSION, LAK-90-26.87  
 Surface Elevation 803.0± LAKE COUNTY

Boring No: B-3 Station & Offset 29 + 70, 28' LEFT

Elev.	Std. Pen. Test	Description	Depth (Feet)	SAMPLE NUMBER	% Agg.	% C.S.	% F.S.	% SILT	% CLAY	L.L.	P.I.	W.C.	SHTL Class	Q <sub>u</sub> (psf)
802.7				SS-1										
2-4-5		V/STIFF TO HARD, MOIST, BROWN TO GRAY SILTY CLAY, TRACE ROCK FRAGMENTS.	5	SS-2										
6-10-12			10	SS-3										
9-10-16			15	SS-4										
8-15-20			20	SS-5										
7-11-12			25	SS-6	3	5	10	42	40	33	16	15	A-6b	
6-9-12			30	SS-7										
6-11-12			35	SS-8										
5-11-12			40	SS-9										
4-8-8			45	SS-10										
760.5			50	SS-11	35	34	24	7		NP	NP	11	A-1-b	
754.5			55	SS-12										
751.5			60	SS-13										
			65	SS-14										
738.0			70	SS-15										
		*** END OF BORING 65'-0" *** 3" TOPSOIL ***	75											

Date Started 1/11/94 Sampler Type S.S. Dia. 2.0" Water Encountered 34'-9" Project I.D.: 142-35142  
 Date Completed 1/12/94 Casing Length 5.0' Dia. 3.25" Water on Completion NONE BRIDGE EXTENSION, LAK-90-26.87  
 Surface Elevation 804.0± LAKE COUNTY

Boring No: B-2 Station & Offset 29 + 07.5', 30' RIGHT

Elev.	Std. Pen. Test	Description	Depth (Feet)	SAMPLE NUMBER	% Agg.	% C.S.	% F.S.	% SILT	% CLAY	L.L.	P.I.	W.C.	SHTL Class	Q <sub>u</sub> (psf)
803.7				SS-1										
2-3-8		V/STIFF, MOIST, BROWN, SILT TRACE ORGANICS.	5	SS-2										
5-7-10			10	SS-3										
804.0			15	SS-4										
801.0			20	SS-5										
8-13-15			25	SS-6	2	8	6	37	47	26	10	15		
791.0			30	SS-7										
8-16-22			35	SS-8										
7-12-15			40	SS-9										
			45	SS-10										
761.5			50	SS-11	33	10	18	25	14			12	A-4a	
758.0			55	SS-12										
751.0			60	SS-13										
745.0			65	SS-14										
744.0			70	DB-15										
734.0			75											

Date Started 1/10/94 Sampler Type S.S. Dia. 2.0" Water Encountered 46'-0" Project I.D.: 142-35142  
 Date Completed 1/10/94 Casing Length 5.0' Dia. 3.25" Water on Completion NONE BRIDGE EXTENSION, LAK-90-26.87  
 Surface Elevation 802.0± LAKE COUNTY

Boring No: B-4 Station & Offset 30 + 56, 28' LEFT

Elev.	Std. Pen. Test	Description	Depth (Feet)	SAMPLE NUMBER	% Agg.	% C.S.	% F.S.	% SILT	% CLAY	L.L.	P.I.	W.C.	SHTL Class	Q <sub>u</sub> (psf)
801.7				SS-1										
2-3-5		V/STIFF TO HARD, MOIST, BROWN SILT, TRACE ROCK FRAGMENTS.	5	SS-2										
4-8-10			10	SS-3										
5-8-11			15	ST-4										
789.0			20	SS-5										
7-16-28			25	SS-6										
784.0			30	SS-7	2	6	7	40	45	24	10	15	A-4b	
18-26-22			35	SS-8										
14-17-16			40	SS-9										
5-7-11			45	SS-10										
			50	SS-11	20	15	10	35	20			7		
10-10-13			55	SS-12										
11-26-33			60	SS-13										
754.0			65	SS-14										
20-50/6'			70	SS-15										
749.0			75	SS-16										
50/4'			80											
50/3'			85											
50/1'			90											
732.0			95											

FHWA REGION	STATE	PROJECT	DATE
	OHIO	BRIDGE EXTENSION, LAK-90-26.87 S.R. 528 OVER I-90	1-27-94

LAKE COUNTY  
LAK-90-26.87

Date Started 1/3/94 Sampler Type S.S. Dia. 2.0" Water Encountered 52'-0" Project I.D.: 142-35142  
 Date Completed 1/3/94 Casing Length 5.0' Dia. 3.25" Water on Completion 63'-0" BRIDGE EXTENSION, LAK-90-26.87  
 Surface Elevation 820.5± LAKE COUNTY

Boring No: B-5 Station & Offset 31 + 42', 12' RIGHT

Elev.	Std. Pen. Test	Description	Depth (Feet)	SAMPLE NUMBER	% Agg.	% C.S.	% F.S.	% SILT	% CLAY	L.L.	P.I.	W.C.	SHTL Class	Q <sub>u</sub> (psf)
819.5				AU-1										
4-7-7		V/STIFF TO HARD, MOIST, BROWN SILT, TRACE ROCK FRAGMENTS.	5	SS-2										
5-5-8			10	SS-3										
5-6-10			15	SS-4										
			20	SS-5										
802.0			25	SS-6										
800.5			30	SS-7										
			35	SS-8										
10-12-17			40	SS-9										
5-10-20			45	SS-10										
6-6-8			50	SS-11										
8-10-14			55	SS-12										
4-6-9			60	SS-13										
11-12-16			65	SS-14										
764.5			70	SS-15										
7-8-9			75	SS-16										
758.5			80											
50/5'			85											
750.5			90											

NOTE:

- △ NO ATTERBERG LIMITS. DESCRIPTION/CLASSIFICATION IS VISUAL/MANUAL WITH THE AID OF GRAIN SIZE ANALYSIS.
- △△ DESCRIPTION/CLASSIFICATION IS VISUAL/MANUAL WITH THE AID OF PREVIOUS BORING INFORMATION.

Environmental Construction  
 5555 Grand Ave., Cleveland, Ohio 44135  
 SCALE: 1" = 10'  
 DATE: 1-27-94  
 DRAWN BY: MAC  
 CHECKED: PSH  
 REVISED: 5-24-95

SOILS BORING LOG PRESENTATION

LAK-90-26.87

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