

FHWA REGION	STATE	PROJECT	DATE
	OHIO	BRIDGE NO. LAK-283-11.65	2-20-90

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**LAKE COUNTY**  
**LAK-283-11.65**

Date Started 2-19-90 Sampler: Type S.S. Dia. 2.0" Water Encountered 17'-0" Project I.D.: 142-95127  
 Date Completed 2-19-90 Casing: Length 5.0' Dia. 3.25" Water on Completion 25'-0" BRIDGE NO.: LAK-283-11.65  
 Surface Elevation 580.0 LAKE COUNTY  
 Boring No: B-1 Station & Offset: 5 + 85, 13' 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
		10" ASPHALT & 7" CONCRETE LOOSE, WET, BROWN SAND & GRAVEL											A-2-5
575.0	3	SOFT, SATURATED BROWNISH GRAY AND/OR GRAY SILTY CLAY W/ ORGANICS (POSSIBLE FILL)	5	SS-1								15.0	A-2-5
	7		SS-2									26.2	A-6a
570.0			10	ST-3									
565.0	5	SLIGHTLY COMPACT, SATURATED GRAY SANDY SILT W/ ORGANICS (POSSIBLE FILL)	15	SS-4	5	30	45	20				28.6	A-4a
				ST-5								52.5	
560.0	2	LOOSE TO SLIGHTLY COMPACT SATURATED BLACK GRAY SILT W/ ORGANICS (POSSIBLE FILL)	20	SS-6								61.7	A-4b
555.0	6		25	SS-7								23.8	
550.0	5	SOFT, SATURATED BLACK GRAY SILTY CLAY W/ ORGANICS (POSSIBLE FILL)	30	SS-8								36.6	A-6a
545.0	5		35	SS-9								38.3	
540.0	5	SLIGHTLY COMPACT, SATURATED BLACK GRAY SAND, SOME SILT, SOME ORGANICS (POSSIBLE FILL)	40	SS-10	40	25	10	25				26.7	A-3a
535.0	39-50/4"		HARD, SATURATED GRAY SANDY CLAY W/ WEATHERED SHALE	45	SS-11							10.5	
530.0	50/3"	HARD, MOIST, GRAY WEATHERED SHALE END OF BORING 48'-9"	50	SS-12									
			55										
			60										
			65										

Date Started 2-20-90 Sampler: Type S.S. Dia. 2.0" Water Encountered 25'-0" Project I.D.: 142-95127  
 Date Completed 2-20-90 Casing: Length 5.0' Dia. 3.25" Water on Completion 22'-0" BRIDGE NO.: LAK-283-11.65  
 Surface Elevation 580.5 LAKE COUNTY  
 Boring No: B-2 Station & Offset: 6 + 60, 13' 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	
		11" ASPHALT & 6" CONCRETE SLIGHTLY COMPACT, WET, BROWN SAND W/ GRAVEL											A-2-5	
575.5	6	FIRM, SATURATED BLACK GRAY SILT & CLAY W/ ORGANICS (POSSIBLE FILL)	5	SS-1								12.6		
				ST-2			15	11	74					A-6a
570.5	6		10	SS-3								43.0		
565.5	4	SLIGHTLY COMPACT, SATURATED GRAY SANDY SILT W/ ORGANICS (POSSIBLE FILL)	15	SS-4								32.8		
560.5	5		20	SS-5								46.3		
555.5	5	LOOSE, SATURATED BLACK GRAY SILTY CLAY W/ ORGANICS (POSSIBLE FILL)	25	SS-7								46.3	A-4b	
				ST-8										
550.5	5	SOFT, SATURATED BLACK GRAY SILTY CLAY W/ ORGANICS (POSSIBLE FILL)	30	SS-9								12.0	A-6a	
545.5	2		35	SS-10								35.9		
540.5	2	LOOSE, SATURATED, GRAY SILT W/ ORGANICS (POSSIBLE FILL)	40	SS-11	17	28	17	38				24.7	A-4b	
535.5	35-50/5" 50/1"		HARD, SATURATED GRAY SANDY CLAY W/ WEATHERED SHALE	45	SS-12 SS-13							8.5	A-2-7	
530.5		GRAY SHALE CORE DATA PER SPT PROBABLE FREE BLT 100' 14" END OF BORING 51'-0"	50	NX-14										
			55											
			60											
			65											

**PSI Professional Service Industries, Inc.**  
 Geotechnical • Environmental Services • Engineering  
 Materials Testing • Root Consulting • Analytical Services

SCALE: NTS APPROVED BY: A.V. DRAWN BY: MTG  
 DATE: 11-4-93 REVISED:

CLIENT: JOHN E. FORSTER & ASSOCIATES, INC.

PROJECT NAME: BRIDGE REPLACEMENT BRIDGE NO. LAK-283-11.65 LAKE COUNTY, OHIO DRAWING NUMBER: 142-95127