

LAK I-90

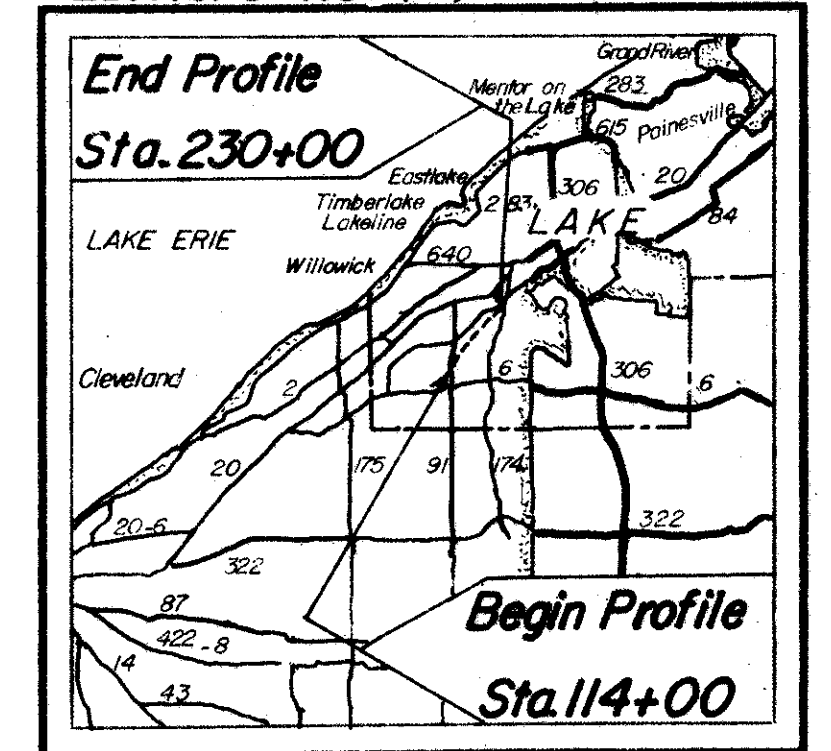
SOIL PROFILE
LAKE COUNTY
LAK-I- 2.16

1
5

STATE HIGHWAY TESTING AND
RESEARCH LABORATORY
O. S. U. CAMPUS, COLUMBUS, OHIO

NOTE: THE INFORMATION SHOWN BY THIS SUBGRADE
PROFILE WAS SECURED FOR THE USE OF THE STATE OF
OHIO AND IS NOT TO BE CONSTRUED AS A PART OF THE
PLANS GOVERNING THE CONSTRUCTION OF THE PROJECT.

FED. NO. I-1103(19)



LOCATION MAP

Recon. L.M.T. 8/2/57
Drilling Auger D.J.H., C.A.S. 8/14/57
Core D.W.B., E.F.M., R.L.S., T.G.W. 8/27/57
Drafting G.V.T. 9/5/57

LEGEND FOR PROJECT - AVERAGE RESULTS OF TESTS - // SAMPLES TESTED

DESCRIPTION	H. R. B. CLASS	OHIO CLASS	% AGG.	% C. SAND	% F. SAND	% SILT	% CLAY	LIQUID LIMIT	PLASTICITY INDEX	WATER CONTENT	SAMPLES TESTED
Gravel	A-1-a(0)	A-1-a	61	24	7	6	2	NP	NP	13	3
Gravel with sand	A-1-b(0)	A-1-b	42	26	17	10	5	NP	NP	14	10
Coarse and fine sand	—	A-3-a	13	35	30	15	7	12	3	20	3
Gravel or stone fragment with sand and silt	A-2-4(0)	A-2-4	42	11	17	18	12	20	6	13	12
Sandy silt	A-4-a(0)	A-4-a	15	9	17	35	24	46	7	18	41
Silt	A-4-b(0)	A-4-b	5	3	10	55	27	22	5	16	15
Silt and clay	A-6-a(0)	A-6-a	14	6	7	38	35	31	12	19	21
Silty clay	A-6-b(0)	A-6-b	6	2	6	42	44	28	10	23	3
Elastic clay with organic material	A-7-5(18)	A-7-5	1	2	6	43	48	68	25	42	3
Shale	Visual Classification										

w Free water
 ⊕ Auger boring-plan view
 ⊙ Core boring-plotted to vertical scale only
 NOTE: Figures beside boring indicate water content in percent.
 () Figures in parentheses indicate number of blows for "Standard Penetration" test.

This A-4a soil will be rubbery and unstable at water contents which exceed the optimum.
 Water content nearly equal to or greater than liquid limit.
 Auger boring plotted to vertical scale only.

Samples Taken
 Lab. Nos. So.
 70271 - 70297 incl.
 70356 - 70393 incl.
 70399 - 70408 incl.
 70672 - 70693 incl.
 70821 - 70833 incl.
 71307 - 71313 incl.
 71724 - 71735 incl.

⊗⊗⊗⊗ Bern material
 ⊗⊗⊗⊗ Sod & Topsoil, TS=X' approx. depth.

