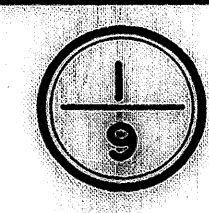


K 12

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LAK I-90

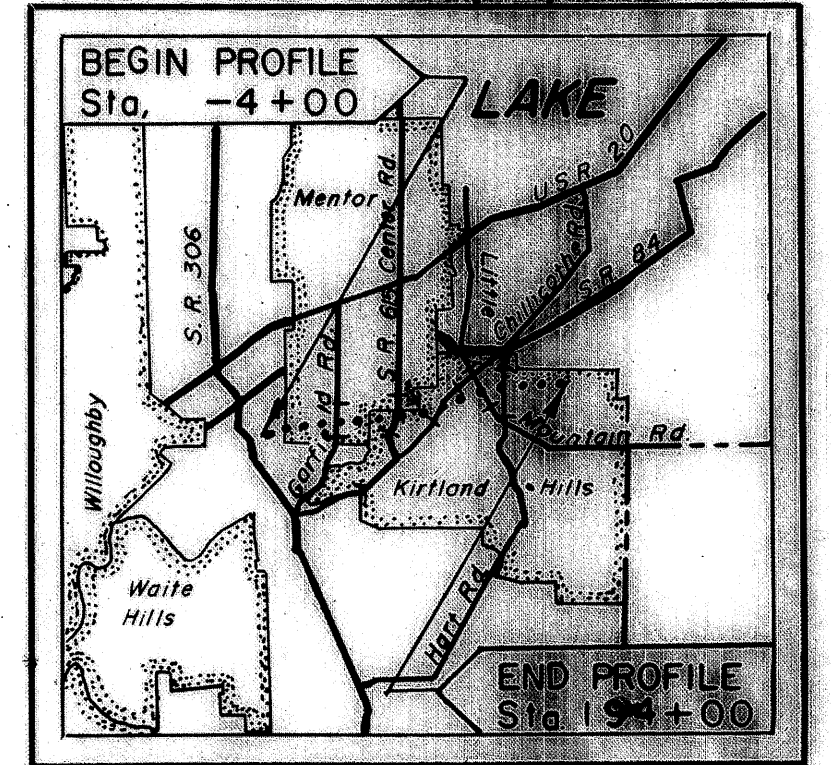
SOIL PROFILE
LAKE COUNTY
LAK-1-6.97



STATE HIGHWAY TESTING
LABORATORY
O. S. U. CAMPUS, COLUMBUS 10, OHIO

NOTE: INFORMATION SHOWN BY THIS SURGRADE PROFILE WAS OBTAINED SOLELY FOR USE IN ESTABLISHING DESIGN CONTROLS FOR THE PROJECT. THE STATE OF OHIO DOES NOT GUARANTEE THE ACCURACY OF THIS DATA AND IT IS NOT TO BE CONSTRUED AS A PART OF THE PLANS GOVERNING CONSTRUCTION OF THE PROJECT.

Fed.No. I-90-1(23)26
I-1103(12)01d



LOCATION MAP
Recon. - J.S.M., L.M.T. - 7-12-57
Drilling - C.A.S., R.W.W. - 7-18-57
Drafting - R.V.S., G.L.M. - 8-23-57

REVISION
Recon. - P.A.H. - 4-8-59
Drilling - J.R.G. - 4-9-59 - 4-10-59
Drafting - H.R.S. - 7-31-59

LEGEND FOR PROJECT-AVERAGE RESULTS OF TESTS- 194 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 (C)	A-1-a	57	17	14	5	7	NP	NP	18	1
Gravel with sand	A-1-b (C)	A-1-b	37	28	18	11	6	NP	NP	14	18
Fine sand	A-2 (C)	A-2	2	19	75	3	1	NP	NP	21	1
Coarse and fine sand	----	A-2a	11	24	43	13	0	NP	NP	16	18
Gravel and stone fragments with sand and silt	A-2-d (C)	A-2-d	41	18	16	14	11	27	6	17	5
Gravel and stone fragments with sand, silt and clay	A-2-f (I)	A-2-f	45	20	10	12	13	33	15	18	4
Sandy silt	A-4 (E)	A-4a	0	0	18	35	20	25	6	17	61
Silt	A-4 (C)	A-4b	2	2	5	64	27	NP	NP	22	14
Silt and clay	A-6 (P)	A-6a	6	5	0	30	41	31	12	19	64
Silty clay	A-6 (III)	A-6b	8	5	11	36	40	36	18	20	7
Clay	A-7-5 (F)	A-7-6	20	3	8	35	25	41	18	20	1

- Auger boring-plan view.
- Auger boring plotted to vertical scale only.
- Water content nearly equal to or greater than liquid limit.
- Sod and/or Topsoil: $\frac{x}{y}$ Approximate depth.
- Berm material
- Free water
- Drive sample-plan view
- Number of blows for "Standard Penetration" test.
x = number of blows for the first 6 inches.
y = number of blows for the second 6 inches.
- Indicates non-plastic material with high water content.

NOTE: Figures beside borings indicate water content in percent, e.g. 15

Moisture Density Samples
Lab Nos. So.
68650 - 68652 incl.

Samples Tested
Lab Nos. So.
17180 - 17191 incl.
17991 - 18013 incl.
18016 - 18033 incl.
68375 - 68385 incl.
68653 - 68678 incl.
68683 - 68684 incl.
68713 - 68778 incl.
71969 - 71975 incl.
71994 - 72000 incl.
72630 - 72633 incl.
73171 - 73179 incl.

