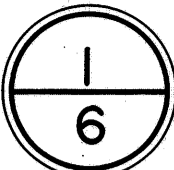


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LAK I-90

SOIL PROFILE
LAKE COUNTY
LAK-1-(12.89) (16.55)
STATE HIGHWAY TESTING AND
RESEARCH LABORATORY
O. S. U. CAMPUS, COLUMBUS, OHIO



LEGEND FOR PROJECT-AVERAGE RESULTS OF TESTS- 105 SAMPLES TESTED

DESCRIPTION	H. R. B. CLASS	OHIO CLASS	% AGG.	% C. SAND	% F. SAND	% SILT	% CLAY	LIQUID LIMIT	PLASTICITY INDEX	WATER CONTENT	SAMPLES TESTED
Coarse and fine sand	—	A-3a	9	46	24	18	3	NP	NP	18	2
Gravel with sand and silt	A-2-4(0)	A-2-4	47	16	9	18	11	26	8	16	2
Stone fragments with sand silt and clay	A-2-6(0)	A-2-6	55	9	5	20	11	32	11	20	2
Sandy silt	A-4 (6)	A-4a	15	8	12	40	25	23	7	21	21
Silt	A-4 (8)	A-4b	5	4	9	53	29	26	7	20	11
Silt and clay	A-6 (9)	A-6a	10	4	8	42	36	31	12	19	53
Silty clay	A-6 (11)	A-6b	23	7	6	29	35	38	17	23	6
Clay	A-7-6(13)	A-7-6	8	2	3	33	54	44	20	27	8
Overburden (Visual classification)											
Shale (Visual classification)											
Sod & top soil = X' = Approx. depth											
Berm material											
Auger boring plotted to vertical scale only											
Auger boring - Plan view											
Core boring - Plan view											

Note: Figures adjacent to borings designate water content in per cent.

Soil Notes:

- This A-4a soil will be rubbery and unstable at water contents which exceeds the optimum.
- Water content nearly equal to or greater than liquid limit.
- W - Free water

Samples Taken Lab Nos. So.

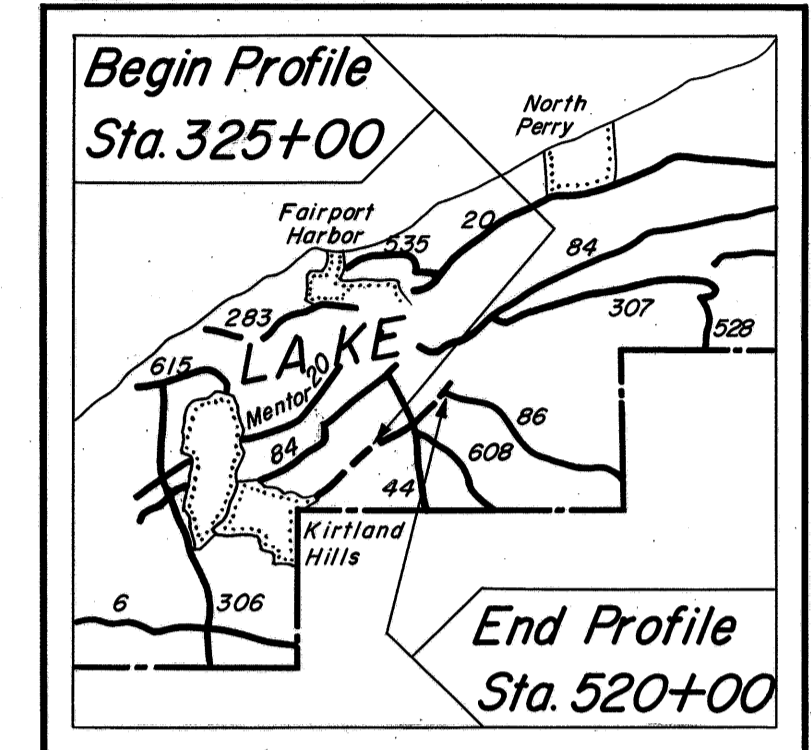
56441 - 56446 incl.	56975 - 56980 incl.
56540 - 56544 incl.	57010, 57011, 57014
56546 - 56551 incl.	57062 - 57070 incl.
56611 - 56628 incl.	57088 - 57092 incl.
56630, 56632 - 56638 incl.	58397 - 58408 incl.
56815 - 56828 incl.	58984 - 58987 incl.
56837 - 56845 incl.	60102 - 60112 incl.
	62920 - 62923 incl.

Moisture Density Samples Lab. Nos. So.

56441 - 56443 incl.
56446, 56939

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-I-1103



LOCATION MAP
Recon - H.C.H., J.S.M., R.C.C. March 29, 1957
Auger - R.S.S., C.G., C.A.C. May 1, 1957
Core - T.C. March 6, 1957
Drafting - G.V.T., R.V.S., L.N.L., J.H.W., M.J.H., K.M.M. Aug. 6, 1957

