SOIL PROFILE

CUYAHOGA COUNTY

CUY- 80 (20.83)(21.19)

OHIO STATE HIGHWAY TESTING LABORATORY
1620 W. BROAD ST. COLUMBUS 23, OHIO

3/18

SUMMARY OF SOIL TEST DATA

NOTE: NP SHOWN IN LIQUID LIMIT AND PLASTICITY INDEX COLUMNS INDICATES THAT THE MATERIAL IS NON-PLASTIC.
*DENOTES SAMPLE TAKEN AT OR NEAR GRADE.

STATION & OFFSET	DEPTH FROM	TO	% AGG.	% C.S.	% F.S.	% SILT	% CLAY	L.L.	P.I.	% W.C.	SHTL CLASS.
70+05 CL	0.0	4.0	9	3	9	34	45	33	11	19	A-6a *
	4.0	10.0	7	2	3	26	62	39	15	22	A-6a
73+15 50'Lt	0.0	3.0	9	8	19	19	45	36	13	20	A-6a
	3.0	6.0	0	1	1	19	79	50	21	27	A-7-6
	6.0	9.0	0	1	1	21	77	41	14	24	A-7-6
	9.0	14.0	0	0	0	27	73	44	18	26	A-7-6
	14.0	19.0	0	0	1	25	74	40	15	22	A-6a
	19.0	24.0	7	1	1	21	70	39	14	31	A-6a
76+50 CL	0.0	5.0	8	8	6	20	58	40	15	26	A-6a
	5.0	10.0	0	0	0	20	80	43	15	26	A-7-6
78+00 CL	0.0	5.8	20	5	15	27	33	28	11	17	A-6a
	5.8	11.0	18	6	14	29	33	29	11	22	A-6a
	11.0	16.0	15	7	15	30	33	29	11	23	A-6a
	16.0	22.0	17	6	15	28	34	29	11	23	A-6a
	22.0	26.5	11	6	15	32	36	26	11	17	A-6a
81+00 CL	0.0	6.0	0	4	12	30	54	30	11	15	A-6a
	6.0	10.0	11	5	39	21	24	18	3	16	A-4a
ACCESS ROAD											
3+00 CL	0.0	1.0	CINDERS								VISUAL
	1.0	4.0	17	3	12	39	29	26	3	20	A-4a
	4.0	8.5	40	6	19	23	12	NP	NP	15	A-2-4
5+00 CL	0.0	4.0	0	1	47	27	25	NP	NP	19	A-4a
	4.0	9.0	14	3	60	10	13	NP	NP	16	A-3a
	9.0	13.0	0	1	87	-	12 -	NP	NP	19	A-3a
	13.0	19.5	1	2	76	-	21 -	NP	NP	15	A-3a
6+50 CL	0.0	4.0	15	4	13	45	23	NP	NP	33	A-4a
	4.0	10.5	9	3	28	46	14	NP	NP	18	A-4a
	10.5	16.0	2	1	21	62	14	NP	NP	21	A-4b
	16.0	21.5	1	1	35	52	11	NP	NP	21	A-4b
ORCHARD DRIVE											
6+00 30'Rt	0.0	4.0	9	4	12	33	42	30	11	16	A-6a
	4.0	9.0	8	5	14	26	47	29	11	14	A-6a
	9.0	14.0	19	10	20	25	26	22	5	8	A-4a
RELOCATED GREENHURST ROAD											
10+50 CL	0.3	2.0	3	2	32	37	26	NP	NP	17	A-4a
	2.0	4.0	67	3	12	10	8	NP	NP	9	A-1-b
13+00 CL	0.0	3.0	13	7	15	30	35	32	11	14	A-6a *
	3.0	6.0	3	1	9	37	50	41	18	20	A-7-6
	6.0	10.0	0	0	1	22	77	56	25	29	A-7-5
	10.0	14.0	0	0	0	24	76	47	19	27	A-7-6

DRIVE SAMPLE SOIL TEST DATA

STATION & OFFSET	DEPTH FROM	TO	% AGG.	% C.S.	% F.S.	% SILT	% CLAY	L.L.	P.I.	% W.C.	SHTL CLASS.
I R 80											
1154+94 73'Lt	5.0	6.0	10	6	13	35	36	28	8	17	A-4a
	10.0	11.0	33	11	16	16	24	29	9	23	A-4a
	12.5	13.5	0	19	24	22	35	27	10	25	A-4a
	15.0	16.0	48	6	13	14	19	29	9	18	A-2-4
	17.5	18.5	12	24	33	19	12	NP	NP	20	A-3a
	20.0	21.0	BROWN SILTY SANDY GRAVEL WITH BOULDERS							12	VISUAL
	22.5	23.5	58	13	12	-	17 -	NP	NP	14	A-1-b
	25.0	26.0	0	1	21	68	10	NP	NP	22	A-4b
	27.5	28.5	19	7	19	32	23	20	5	16	A-4a
	30.0	31.0	0	1	48	42	9	NP	NP	22	A-4a
	35.0	36.0	0	2	84	-	14 -	NP	NP	18	A-3a
	40.0	40.6	33	27	31	-	9 -	NP	NP	9	A-1-b
	45.0	45.7	3	5	77	-	15 -	NP	NP	18	A-3a
1157+94 73'Rt	5.0	6.0	48	15	19	-	18 -	NP	NP	14	A-1-b
	10.0	11.0	52	16	16	-	16 -	NP	NP	12	A-1-b
	12.5	13.5	0	1	1	84	14	NP	NP	24	A-4b
	15.0	16.0	11	2	11	65	11	NP	NP	21	A-4b
	17.5	18.5	0	1	21	66	12	NP	NP	20	A-4b
	20.0	21.0	0	0	36	52	12	NP	NP	20	A-4b
	22.5	23.5	0	0	23	64	13	NP	NP	24	A-4b
	25.0	26.0	0	0	9	80	11	NP	NP	24	A-4b
	27.5	28.5	0	0	14	75	11	NP	NP	24	A-4b
	30.0	31.0	0	0	5	83	12	NP	NP	23	A-4b
	35.0	36.0	0	1	45	46	8	NP	NP	10	A-4a
	40.0	41.0	0	0	11	78	11	NP	NP	19	A-4b
	45.0	46.0	0	1	37	53	9	NP	NP	18	A-4b
1162+89 72'Rt	5.0	6.0	0	1	19	47	33	NP	NP	23	A-4a
	7.5	8.5	10	3	19	38	30	NP	NP	21	A-4a
	10.0	11.0	62	13	12	-	13 -	NP	NP	13	A-1-a
	12.5	13.5	50	13	19	-	18 -	NP	NP	15	A-1-b
	15.0	16.0	0	8	85	-	7 -	NP	NP	18	A-3
	17.5	18.5	0	8	81	-	11 -	NP	NP	14	A-3a
	20.0	21.0	0	17	82	-	1 -	NP	NP	25	A-3
	25.0	26.0	54	14	19	-	13 -	NP	NP	11	A-1-b
	30.0	31.0	0	1	89	-	10 -	NP	NP	20	A-3
	35.0	35.8	0	4	88	-	8 -	NP	NP	18	A-3
	40.0	40.8	0	3	84	-	13 -	NP	NP	18	A-3a
	45.0	45.5	0	4	82	-	14 -	NP	NP	20	A-3a
	50.0	50.6	0	20	60	-	20 -	NP	NP	13	A-3a
	55.0	55.5	0	16	79	-	5 -	NP	NP	20	A-3

STATION & OFFSET	DEPTH FROM	TO	% AGG.	% C.S.	% F.S.	% SILT	% CLAY	L.L.	P.I.	% W.C.	SHTL CLASS.
BEDFORD FREEWAY											
62+06 48'Rt	5.0	6.0	8	7	14	33	38	26	7	15	A-4a
	10.0	11.0	13	8	19	33	27	25	8	14	A-4a
	15.0	16.0	10	7	13	32	38	26	6	15	A-4a
	20.0	21.0	0	0	1	11	88	45	19	31	A-7-6
	25.0	26.0	0	1	0	23	76	40	15	31	A-6a
	30.0	31.0	0	0	1	28	71	39	14	30	A-6a
	35.0	36.0	0	0	1	16	83	44	20	31	A-7-6
	37.5	38.5	0	2	3	10	76	40	16	33	A-6b
	40.0	41.0	0	1	4	56	39	23	4	18	A-4b
	42.5	43.1	0	1	23	48	28	NP	NP	17	A-4a
	45.0	45.5	19	7	19	32	23	20	5	16	A-4a
	47.5	47.8	GRAY GRAVELLY SANDY SILT							9	VISUAL
	50.0	50.5	7	8	28	34	23	19	3	14	A-4a
	52.5	53.0	8	12	17	30	33	27	8	14	A-4a
	55.0	55.5	16	11	27	26	20	18	3	12	A-4a
	60.0	60.5	6	6	30	37	21	22	7	13	A-4a
	65.0	65.5	14	9	19	32	26	20	5	10	A-4a
68+00 6'Lt	5.0	6.0	6	8	11	32	43	37	14	22	A-6a
	10.0	11.0	BROWN SH-GRAY SANDY SILT				-	27	6	16	VISUAL
	15.0	15.5	6	4	9	68	13	NP	NP	20	A-4b
	20.0	20.4	GRAY SILT			-		NP	NP	21	VISUAL
	25.0	25.5	0	0	1	71	28	NP	NP	25	A-4b
	30.0	31.0	0	0	1	22	77	35	12	16	A-6a
	35.0	36.0	5	4	12	31	48	27	9	16	A-4a
	40.0	40.4	12	7	15	34	32	23	7	14	A-4a
	45.0	45.5	17	9	13	29	32	25	7	14	A-4a
LANE B-OBS-E											
67+78 20'Rt	5.0	6.0	10	6	12	28	44	28	9	15	A-4a
	10.0	11.0	0	3	7	14	76	40	18	20	A-6b
	15.0	16.0	0	0	1	13	86	45	18	24	A-7-6
	20.0	21.0	0	2	6	24	68	30	9	22	A-4a
	25.0	26.0	0	0	0	9	91	44	18	21	A-7-6
	30.0	31.0	0	0	0	9	91	44	18	32	A-7-6
	32.5	33.5	0	0	1	17	82	37	13	27	A-6a
	35.0	36.0	0	0	1	13	85	37	12	32	A-6a
	37.5	38.5	0	0	0	11	89	40	14	34	A-6a
	40.0	41.0	0	1	2	26	71	31	11	20	A-6a
	42.5	43.5	31	15	22	13	19	NP	NP	12	A-2-4
	45.0	46.0	22	23	19	17	19	22	3	11	A-4a
	47.5	48.5	0	4	25	49	22	NP	NP	17	A-4a
	50.0	51.0	0	2	5	46	47	26	6	16	A-4a
	55.0	56.0	21	12	15	28	24	NP	NP	14	A-4a
	60.0	61.0	33	23	20	-	24 -	NP	NP	6	A-1-b
	65.0	66.0	7	40	30	-	23 -	NP	NP	15	A-3a
	70.0	71.0	24	14	19	22	21	21	4	14	A-4a
	75.0	75.5	19	12	20	29	20	NP	NP	12	A-4a

STATION & OFFSET	DEPTH FROM	TO	% AGG.	% C.S.	% F.S.	% SILT	% CLAY	L.L.	P.I.	% W.C.	SHTL CLASS.
RAMP B-OBS											
10+43 10'Lt	5.0	6.0	45	8	23	15	9	NP	NP	21	A-1-b
	10.0	11.0	0	7	90	-	3 -	NP	NP	24	A-2
	12.5	13.5	28	21	38	-	13 -	NP	NP	11	A-3a
	15.0	16.0	40	18	31	-	11 -	NP	NP	12	A-1-a
	17.5	18.5	51	17	22	-	10 -	NP	NP	6	A-1-b
	20.0	20.7	53	18	18	-	11 -	NP	NP	10	A-1-a
	22.5	23.5	0	11	76	-	13 -	NP	NP	17	A-3a
	25.0	25.6	30	27	28	-	15 -	NP	NP	10	A-1-b
	30.0	30.7	22	36	30	-	12 -	NP	NP	15	A-1-b
	35.0	35.7	46	14	27	-	13 -	NP	NP	8	A-1-b
	40.0	40.8	22	15	53	-	10 -	NP	NP	14	A-3
	45.0	45.5	42	18	25	-	15 -	NP	NP	10	A-1-b
17+65 09'Lt	5.0	6.0	16	4	10	20	50	32	10	20	A-4a
	10.0	11.0	12	5	11	25	47	29	9	14	A-4a
	15.0	16.0	23	6	5	21	45	32	9	19	A-4a
	17.5	18.5	0	1	1	16	82	40	17	29	A-6b
	20.0	21.0	0	1	0	18	81	44	19	30	A-7-6
	22.5	23.5	0	1	1	17	81	40	14	31	A-6a
	25.0	26.0	4	0	1	29	66	46	15	30	A-6a
	27.5	28.5	0	0	1	22	77	42	16	24	A-7-6
	30.0	31.0	11	7	11	39	32	22	2	17	A-4a
	35.0	35.9	2	2	47	35	14	NP	NP	14	A-4a
	40.0	40.3	8	7	22	39	24	18	2	10	A-4a
	45.0	45.5	GRAY GRAVELLY SANDY SILT							8	VISUAL
	50.0	50.8	4	1	6	45	44	30	8	13	A-4a
	55.0	56.0	17	3	11	39	34	27	6	17	A-4a
	60.0	60.4	0	0	1	84	15	NP	NP	22	A-4b
	65.0	65.5	0	1	2	85	12	NP	NP	20	A-4b

I JUL 1 1968 R JUL 2 1968 L&D