



SOIL PROFILE
WARREN&MONTGOMERY COS.
WAR-25-8.48
MOT-25-0.00
STATE HIGHWAY TESTING AND
RESEARCH LABORATORY
O. S. U. CAMPUS, COLUMBUS, OHIO

SUMMARY OF SOIL TEST DATA

Station	8 Offset	Depth From To	% Agg	% C.S.	% ES	% Silt	% Clay	L.L.	Pi.	% W.C	SHTL	- vvaevancesteve
1+00	CL	0.4-1.0	13	8	25	28	6	25	9	10	Closs.	المراسل
		1.0-6.01	61	16	7	11	5	20	1	8	A-1- b	
4+00	CL	0.4-1.0	40 14	16 47	11 29	13	20	32 NP	14 NP	8	A-2-6 A-1-b	į
		4.0-7.01	ō	5	54	39	2	NP	NP	6	A-4a	es and a second of the second
7+00	CL	0.4-6.01	0	8	77	14	1	NP	NP	Ĺ	A-38	
11+00	CL	0.4-3.01	13	12	19	37	19	22	7	8	A-48	4
	4	3.0-6.0	15 12	9	20 20	39	17 18	18 20	5	14 16	A-48	-
		8.0-12.01	13	1	3	36	47	28	íı	21	A-6a	
12+ 50	140 Rt.	, ,	0	2	24	47	27	26	10	19	A-48	(
		7.5-9.51 9.5-13.01	0 72	21	9	39 2	61	36 NP	16 NP	26 10	A-6b A-1-a	
17+90	86 Ht.	0.5-1.5	0	0	50	46	34	37	15	19	A-6a	$\mid \epsilon$
		1.5-4.0	49 60	16	17 8	13 10	5 2	NP NP	NP NP	5	A-1-b A-1-a	
20+18	93°At.	0.5-1.5	0	2	22	44.4	32	28	9	17	A-4e	6
		1.5-5.01	47	5 13	31 19	41 16	23	26 N P	9 NP	9	A-4a A-1-b	
22+42	48'Rt.	0.3-3.5	o	3	25	50	22	23	3	20	A-46	
		3.5-10.64	56	1 4	1 5	10	5	NP	ŃР	14	A-1-a	7
24+90	30'At.	0.4-3.5	0 15	1 22	26 31	47 23	26	25 NP	7 N P	19	A-4a	
		6.0-10.0	40	26	14	15	9 5	NP	NP	7	A-3a A-1- b	
29+86	15 Rt.	1.5-7.5	60	13	10	13	4	19	2	6	A-1-b	7
		7.5-9.0' 9.0-10.5'	16	9	5 1	33 38	37 60	28 30	12 11	15 18	A-6a A-6a	
		10.5-12.0	68	18	9		1	NP	NP	12	A-1-8	8
35+00	CL	0.3-2.5° 2.5-5.0°	2	3 3	26 33 11	32 35 14	35 27	30 2 4	7 9	24 18	A-48 A-48	
		5.0-8.0	57	14	11	14	4	NP	NP	6	A-1- b	
39+ 80	CL	2.5-5.0	0	2 1	6 10	39 81	53 8	36 NP	NP	24 21	A-6a A-4b	85
		5.0-6.0 B.0-9.01	41	0 28	1	47 11	5 2	31 NP	14 NP	25 9	A-6a A-1-b	**
44+00	CL	0.5-2.01		1				ĺ				89
₩ ₩₩₩	Λη. 	2.0-4.01	0 8	9	1	30 37	68 32	46 25	24 11	23 13	A-9-6 A-6a	. 0
		4.0-6.0° 6.0-12.5°	11 16	7 9	13	34 35	35 21	26 20	11 6	15 11	A-6e A-4a	ľ
	·	12.5-19.5	18	9	18 ⁻	3 6 33	19 66	17 35	6 16	8 24	A-4a A-6b	93
		20.0-21.51	34	0	0 15	55 21	45 12	27 19	? 6	23 12	A=4b A=2-4	
		24.0-27.01	0	0	30	54 39	16 60	NP 31	NP 12	20 20	A-46 A-68	98
44+10	CL	9.0-13.01	19	13	18		19	18		≪ 	A-4a	To contain the con
		13.0-19.01	27	iō	17	33	15	19	5	8	A-He	

Station & Offset	Depth From To	% Agg	% C.S.	% F.S.	% Silt	% Clay	L.L.	Pi.	%	SHTL
+8+00 CL	0.3-5.0 5.0-10.0 10.0-13.0 13.0-15.0 15.0-19.0	18 14 18 69	10 8 9 15	20 17 17 6 8	33 42 34 6 82	19 19 22 4	18 19 19 16 NP	5 7 5 2 NP	10 12 11 11 20	Class. A-4a A-4a A-4a A-1-a A-4b
51+00 CL	0.3-5.0 5.0-9.5 9.5-12.0	7 25 0	6 5 0	33 23 2	32 32 33	22 15 65	21 19 34	? 1 14	21 23 27	A-4a A-4a A-6a
55+25 CL	0.3-4.0 4.0-10.0 10.0-13.5 13.5-18.0	0 19 18 18	0 8 8 7	2 18 17 11	33 36 40 30	65 19 17 34	38 21 18 24	14 6 7 7	21 13 11 12	A-6a A-4a A-4a
63+00 CL	0.3-2.5 2.5-5.0 5.0-8.0	0 30 31	4 18 10	18 11 18	52 23 23	26 18 18	28 21 18	100	23 10 11	A-46 A-4a A-4a
68+00 CL	0.3-2.5 2.5-4.0 4.0-10.0	0 0 12	1 1 9	4 5 18	38 77 39	57 17 22	37 NP 18	17 NP 5	20 21 11	A- 6 b A-4b A-4a
69+5 5 CL	0.3-5.0 5.0-7.0 7.0-12.0 12.0-14.0	0 12 65 23	2 30 14 10	9 21 6 18	44 28 9 32	45 9 6 17	32 NP 19 18	15 NP 4 5	17 8 14 11	A-6a A-4a A-1-a A-4a
72+00 CL	0.3-1.5 1.5-3.5 3.5-6.0 6.0-8.0	26 0 8 64	5 2 8 9	24 36 28 8	31 45 35 13	14 17 21 6	22 23 25 26	7 7 9	11.1 16 29 26	A-48 A-48 A-2-4
76+00 CL	0.4-4.5 4.5-5.5 5.5-7.0 7.0-12.0	0 0 7	2 10 2 6	10 41 4 13	35 33 48 40	53 16 46 34	40 17 25 24	22 2 11 11	17 11 18 16	A-6b A-4a A-6a A-6a
0+00 CL	0.0443,3 1.5-6.0 6.0-8.0 8.0-10.0	18 6 0	6 1 8 0	21 3 53 0	26 49 30 36	29 41 9 64	33 30 NP 34	13 11 NP 13	21 17 19 23	A-6a A-6a A-4a A-6a
3 ⊷8 5 CL	0.3-4.5 4.5-6.0 6.0-9.0 9.0-10.0	3 13 0	1 22 2 0	6 22 7 2	56 35 70 87	34 8 21 11	37 NP 18 NP	16 NP 2 NP	16 6 16 16	A-65 A-45 A-45
9+00 CL	0.3-3.0' 3.0-6.5° 665-12.0'	24 25 20	12 28 13	15 18 17	28 20 31	21 9 20	35 23 18	16	20 17 11	A-6b A-2-4 A-4a
3+31.15 CL	6.0-8.01	15 8 5 0	9747	17 8 6 19	55 58	28 24 1 2 12	25 30 27 NP	10 10 11 NP	13 25 21 14	A-4a A-4b A-6a A-4b
3+00 CÅ		0 13 29	3 10 25	14 20 26	39 34	44 23	34 19	15	18 11	A-6a A-4a
	15.0-17.0	21	25 34	30	15	5 2	NP NP	NP NP	3	A-1-b A-1-b

Stotkin	9 Offset	Depth From-To	% Agg	% C.S	% F.S.	% Silt	% Clay	L.L.	PI,	% W.C.	SHTL.
105+30	20 12 %	0.5-5.0		10	18	30	22	20	6	10	Class.
<i>3</i> • •	19	5.0-13.5		10	17	33	26	18	5	9	A-4a
110+00	CL	0.5-3.5		3	11	48	38 31	31	11	30 13	A-6a A-4a
		8.9-8.5		10	13	31	27	25 23	9 2	9	A-4a
114+75	CL	8.5-10.0		3	4 10	71 38	14 33	22 23	2 8	23 13	A-46 A-48
120+00	CL	0.5-5.0		10	18	-	21		8		
240,00	01	5.0-9.5 9.5-12.0	9 6	39 12	31	37 19	5 17	20 NP	NP 6	11	A-4a A-3a
125+00	41Rt.					37		18		10	A-He
125700	4'NUe	6.0-8.5 8.5-13.0	18	9	2	73 25	24 37	28 40	8	26 21	A-4b A-6 b
		19.0-20.0		11	19	33	17	18	4	11	A-4a
129+98	15'Rt.	2.5-7.5		3 ual	8	43	46	38	16	20	A-6b
		7.5-9.5		uəl 4	. 0	41	28	25	9	11	A-4e A-4e
		14.0-16.5	51	3	4	24	ìš	23	9	9	A-4a
134+95	431Rt.	0.3-3.0	No	Mater	lal			36	15	16	A-68
139+85	78 Rt.	2.0-3.01	38	4	6	23	29	31	13	8	A-6a
149+56	137'Rt.	0.3-2.5	4	1	4	47	44	38	17	21	A-6b
152+00	CL	0.4-4.0	21	5	10	29	35	. 32	15	12	А63
154+50	CL	0.4-2.01		2 10	8 1 9	60	27	30	9	18	Amilyb
157 + 00	CL					33	20	23	7	13	A-4a
1),400	Ç11	0.4-3.08 3.0-6.5		9 5	6 8	22 62	21 20	25 25	8 5	8 1 5	A-4a A-4b
162+00	CL	0.4-3.0		6	22	27	41	38	19	15	A-6b
165+00	CL	3.0-10.01		9	19	41	23	19	6	12	A-48
-0) + 00	, OLD	0.3-6.0° 6.0-3.0°	9 1 4	7	19 18	42 35	23	27 20	9 9	11	A-4a
169+00	CL	0.4-9.0		6	11	43	33	24	9	12	A-48
		9.0-11.0° 11.0-15.0°	22 19	9 8	14	40 39	15	19 20	4 5	13 18	A-4a A-4a
171+00	CL	0.4-2.0	11	11	18	l	23	24	8	9	A-4a
		2.0-11.0 11.0-20.0		10	18 13	37 38 46	21 28	19 19	5	13 14	A-4e
173+55	CL	0.4-2.01		4	14	29	39	44	ĺ	- 1	A-43
		2.0-6.01 6.0-8.01	14	7	14 13	39	26 28	27	25 ? 5	20 14	A-7-6 A-4e
173+55	100 At.	0.4-2.0	I	ţ	20			19		11	A- 4b
- 7		2.0-7.01	36	564	10	34 28	36	35 22	20 7	19	A-6b A-4a
		, •0-0•0.	٠	~	6	68	16	NP	NP	6	A-4b

173+55	Maradara sa upun-ra, ncang nga sa	an Marian Calabatic Majarak Springhaga et al egishayan	-vojantere- verv samatriois sveiskalakilakilakispispispispispispi	***************************************	madiging oper work miles Northwest (1990)	hiliperedekkom-makiss		Ourse of the second of the sec		Wilderton China Control China		
173+55 100 Lt	Station	8, Offset	Depth From-To	% Agg	% C.S.	% FS	% Silt	% Clay	L.L.	PI.	1	¥
178+75 CL		100°Lt	1.0-9.0	9	7	17	42	25	27	7	15	A-7-6 A-4a
1.0-11.0 24 6 14 35 21 10 6 11 A-lia A-li		CL	5.0-10.0 10.0-16.0	10 15	9	17 18	45 38	21 20	19 18	6	14	A-4a A-4a
189+00 CL	2 82+00	CL	5.0-11.0 11.0-14.0	24 6	6 6	14	35 55	21	20	6	22	A-40
192+50 CL	1 85+50	CL	0.3-8.0	19	7	16	35	23	23	8	8	A-4a
196+00 CL	-	CL	0.3-8.0	10	8	16	37	29	23	6	12	A-4s
200+00 CL	192+50	CL										
203+00 CL	196+00	CL		3 27		7 8	59 3 1				\$	
1.0-6.0' 36 9 9 25 21 22 7 10 A-68 206+75 2L 0.3-3.0' 27 8 9 31 25 27 10 8 A-48 2+00 CL 0.5-2.0' 0 3 11 55 31 34 12 11 A-68 2.0-4.0' 10 4 10 49 27 42 23 25 A-7-6 4.0-8.0' 26 3 3 30 38 31 15 14 A-68 5+00 CL 0.5-5.0' 12 6 9 20 3 17 A-68 5+00 CL 0.3-1.5' 2 5 17 9 30 27 25 11 19 A-68 6.0-8.0' 11 14 17 32 26 24 9 10 A-68 A-68 16+00 CL 0.3-5.0' 0 2 4 7 9 10 A-68 5.0-7.0' 0 2 7 7 9 30 27 25 11 19 A-68 A-68 16+00 CL 0.3-5.0' 0 2 4 7 2 26 24 9 10 A-68 16+00 CL 0.3-5.0' 0 2 4 7 2 20 23 A-7-6 10-5-12.0' 10 11 15 36 28 20 5 12 A-48 19+00 80'Lt. 0.4-4.0' 0 1 4 41 54 47 22 23 A-7-6 7.0-10.0' 0 0 0 38 62 33 15 21 A-68 25+00 CL 0.4-1.5' 0 0 0 0 38 62 33 15 21 A-68 25+00 CL 0.4-1.5' 0 0 0 0 1	200+00	CL		5 21				39 33				
2+00 CL	203+00	CL				3 9			33 22			
2.0-4.0 10 4 10 4 10 4 27 42 23 25 A-7-6 4.0-8.0 26 3 3 30 38 31 15 14 A-68 5+00 CL 0.5-5.0 12 6 9 26 9 20 3 17 12+00 CL 0.3-1.5 2 5 17 39 37 37 15 18 A-68 12+00 CL 0.3-5.0 0 0 11 14 17 32 26 24 9 10 A-68 16+00 CL 0.3-5.0 0 0 2 4 7 14 17 32 26 24 9 10 A-68 16+00 CL 0.3-5.0 0 0 2 4 7 14 20 23 6 22 A-46 10-5-12.0 10 11 15 36 28 20 5 12 A-68 19+00 80 Lt. 0.4-4.0 0 0 1 4 41 54 47 22 23 A-7-6 4.0-7.0 0 0 0 38 52 38 38 19 17 A-68	206+75	CL	0.3-3.0	27	8	9	3 1	- 25	27	10	8	A-48
12+00 CL	2+00	°CL	2.0-4.0	10		10	49	27	42	23	25	A-7-6
1.5-6.0 27 7 14 9 30 27 25 11 19 A-6a A-6a A-6a A-6a A-6a A-6a A-6a A-6a	5+00	СГ			6 9	16 9	35 26	31 9	77 20	7		
19+00 80 Lt. 0.4-4.0 0 0 1 4 1 54 47 22 23 A-7-6 A-68 19+00 CL 0.4-1.5 0 0 2 8 52 38 38 19 17 A-66	12+00	CL	1.5-6.01	27	5 7 14	9	30	27	25	11	19	A-68
25+00 CL 0.4-1.5! 0 02 8 52 38 38 19 17 A-6h	16+00		7.0-10.5	0 32	2 10	1 ₃	74 29	20 16	23 • 1 8	6 6	22 11	A-4b A-4a
25+00 CL 0.4-1.5! 0 2 8 52 38 38 19 17 A-6h	19+00	80'Lt.	4.0-7.01	0	0 0	4 3 0	37	60	49	24	23 33 21	A-7-6
	25+00	CL	0.4-1.5		2 10	8 1 2	52 52		38 28	19	17 25	A-6h
	ş	A PROPERTY OF THE PROPERTY OF		***************************************		***************************************	e de l'est de l'action de l'est de l'e			em in Colombia Conscionation	нфикрайофизано, (Анабендрамов.	
		prije-spievojacoza	n first manages		:	Picaleonia		Heli sellektingel popula		- Control of the Cont		•

NOTE: NP shown in Liquid Limit and Plasticity Index columns indicates that the material is non-plastic.

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