

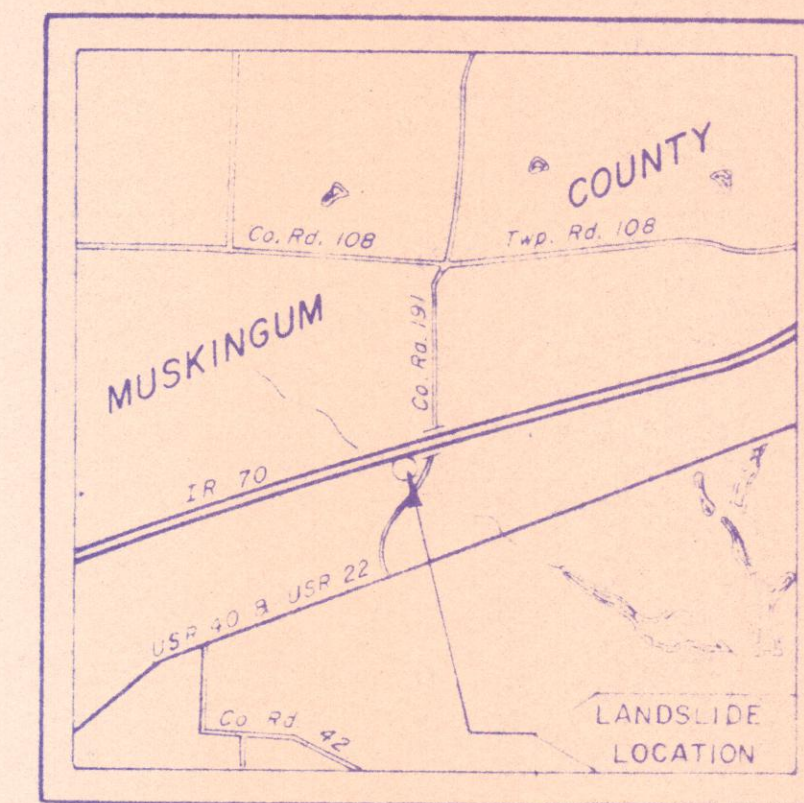
LEGEND

DESCRIPTION	CLASS
GRAVEL	A-1-A
STONE FRAGMENTS WITH SAND AND SILT	A-2-4
SANDY SILT	A-4A
SILT	A-4B
SILT AND CLAY	A-6A
SILTY CLAY	A-6B
CLAY	A-7-6
WEATHERED SHALE	VISUAL
SHALE	VISUAL
VARIOUS OTHER MATERIALS	VISUAL
DRIVE SAMPLE - CORE BORING - PLAN VIEW	— W — FREE WATER
DRIVE SAMPLE - CORE BORING PLOTTED TO VERTICAL SCALE ONLY	
NUMBER OF BLOWS FOR "STANDARD PENETRATION" TEST X=NUMBER OF BLOWS FOR FIRST 6 INCHES Y=NUMBER OF BLOWS FOR SECOND 6 INCHES Z=NUMBER OF BLOWS FOR THIRD 6 INCHES	
WATER CONTENT NEARLY EQUAL TO OR GREATER THAN LIQUID LIMIT	
INDICATES A NON-PLASTIC MATERIAL WITH A HIGH WATER CONTENT	
NOTE: FIGURES BESIDE BORINGS INDICATE WATER CONTENT IN PERCENT, e.g., 15	

ALL AVAILABLE SOIL AND BEDROCK INFORMATION WHICH CAN BE CONVENIENTLY SHOWN ON THE LANDSLIDE INVESTIGATION SHEETS HAS BEEN SO REPORTED. ADDITIONAL SUBSURFACE INVESTIGATION, SOIL TESTS AND BEDROCK BORINGS MAY HAVE BEEN MADE TO STUDY SOME SPECIAL ASPECT OF THE PROJECT. COPIES OF THIS DATA, IF ANY, MAY BE INSPECTED IN THE DISTRICT DEPUTY DIRECTOR'S OFFICE, THE BUREAU OF TESTS AT 1600 WEST BROAD STREET, THE PAVEMENT AND SOILS SECTION OF THE BUREAU OF LOCATION AND DESIGN OR IN THE BRIDGE BUREAU AT 25 SOUTH FRONT STREET.

LANDSLIDE INVESTIGATION
MUSKINGUM COUNTY
MUS - 70 - 16.05
OHIO STATE HIGHWAY TESTING LABORATORY
1600 W BROAD ST COLUMBUS OHIO 43223

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LOCATION MAP

SUMMARY OF DRIVE AND PRESS SAMPLE SOIL TEST DATA
NP- IN COLUMNS L.L. AND P.T. INDICATE THE SAMPLE IS NON PLASTIC

STATION & OFFSET	DEPTH FROM TO	% AGG.	% C.S.	% F.S.	% SILT	% CLAY	L.L.	P.T.	% W.C.	SHTL CLASS	
160+00 10 RT	2.5-3.0	7	7	8	30	48	38	18	15	A-6B	
	5.3-5.8	3	1	3	37	56	37	13	20	A-6A	
	6.0-6.5	2	0	1	55	42	35	12	19	A-6A	
	7.5-9.0	10	1	3	38	58	41	16	19	A-7-6	
	10.2-10.5	3	1	3	40	53	41	13	23	A-7-6	
	10.9-11.2	5	1	3	38	53	40	16	21	A-6B	
	11.5-11.8	13	2	10	33	42	36	13	20	A-6A	
	12.5-14.0	0	1	2	39	58	40	15	18	A-6A	
	15.2-15.7	14	1	3	38	44	40	15	21	A-6A	
	16.1-16.6	9	2	4	28	57	42	20	21	A-7-6	
	17.5-19.0	0	1	17	44	38	28	6	16	A-4A	
	20.0-21.2	13	2	13	36	36	28	11	15	A-6A	
	22.5-24.0	11	3	10	41	35	28	7	10	A-4A	
	25.0-25.5	4	1	2	52	41	33	15	19	A-6A	
	25.6-26.1	11	1	5	39	44	33	15	18	A-6A	
	27.5-29.0	17	1	4	32	46	33	12	16	A-6A	
	30.1-30.6	6	0	1	52	61	39	20	17	A-6B	
	30.8-31.3	7	0	1	23	69	44	23	23	A-7-6	
	32.5-34.0	6	1	3	28	62	36	14	11	A-6A	
	35.5-36.5	15	4	5	32	44	36	13	7	A-6A	
37.5-39.0	20	4	10	34	32	33	12	15	A-6A		
40.0-41.5	30	3	9	18	40	32	11	10	A-6A		
42.5-44.0	20	1	2	38	39	34	11	10	A-6A		
45.0-46.5	0	1	10	54	35	30	6	20	A-4B		
47.5-49.5	23	11	17	27	22	33	9	22	A-4A		
50.0-51.5	9	5	16	45	25	30	7	21	A-4A		
55.0-55.5	(10)	0	13	50	27	28	4	6	VISUAL		
GRAY WEATHERED SHALE											
160+00 70 RT	2.5-3.0	21	2	12	31	34	27	10	15	A-4A	
	5.0-6.5	0	1	3	46	50	30	11	16	A-6A	
	7.5-9.0	0	2	6	40	52	30	11	16	A-6A	
	10.0-11.5	17	3	11	24	45	31	9	15	A-4A	
	12.5-14.0	45	7	19	13	16	NP	NP	10	A-2-4	
	15.0-16.5	4	2	4	46	44	27	6	17	A-4A	
	17.5-19.0	0	10	19	38	33	31	10	22	A-4A	
	20.0-21.5	20	6	27	24	23	NP	NP	20	A-4A	
	22.5-24.0	6	2	12	55	25	26	4	24	A-4B	
	25.0-26.5	13	3	28	34	22	26	3	15	A-4A	
	27.5-28.0	(25)	1	17	27	20			10	VISUAL	
	GRAY SHALE										
	160+00 110 RT	2.5-4.0	0	2	10	36	52	31	12	21	A-6A
5.0-6.5		13	3	8	38	38	28	8	16	A-4A	
7.5-9.0		3	18	21	29	29	31	7	22	A-4A	
10.0-11.5		9	10	26	30	25	29	4	21	A-4A	
12.5-14.0		13	4	25	27	31	NP	NP	10	A-4A	
15.0-15.5		(10)	3	31	33	23			12	VISUAL	
BROWN AND GRAY SHALE											
160+50 10 RT	2.5-3.0	29	9	8	19	35	35	13	20	A-6A	
	5.2-5.7	11	1	4	46	38	36	15	24	A-6A	
	5.9-6.4	9	1	3	44	43	38	16	22	A-6B	
	7.5-9.0	23	3	5	32	37	38	14	18	A-6A	
	10.1-10.6	8	1	1	46	44	33	13	23	A-6A	
	10.8-11.3	4	1	2	51	42	33	11	20	A-6A	
	12.5-14.0	0	1	11	33	55	38	16	14	A-6B	
	15.0-15.4	3	1	54	25	17	NP	NP	14	A-4A	
	15.5-16.0	2	1	5	48	44	33	15	18	A-6A	
	16.0-16.6	4	3	9	45	39	28	9	16	A-4A	
	17.5-19.0	20	2	14	34	30	27	7	14	A-4A	
	20.5-20.8	3	2	4	33	58	35	15	18	A-4A	
	22.5-24.0	45	7	19	15	14	23	2	7	A-2-4	
	25.9-26.4	12	0	7	40	41	30	12	13	A-6A	
	27.5-29.0	8	1	2	32	57	38	17	10	A-6B	
	30.3-30.8	12	1	4	23	60	38	18	17	A-6B	
	31.0-31.5	3	0	3	26	68	42	21	18	A-7-6	
	32.5-34.0	8	1	3	34	54	36	15	15	A-6A	
	35.3-35.6	3	3	6	44	44	31	12	19	A-6A	
	36.2-36.7	5	2	10	43	40	33	12	18	A-6A	
37.5-39.0	3	2	14	41	40	29	10	13	A-4A		
40.0-40.3	3	1	4	45	47	32	9	17	A-4A		
40.4-40.9	11	18	17	30	24	29	6	16	A-4A		
41.0-41.3	9	6	15	43	27	NP	NP	24	A-4A		
42.5-44.0	4	7	9	47	33	35	10	16	A-4A		
45.0-45.6	16	3	10	43	28	32	12	12	A-6A		
47.5-48.5	(2)	1	16	56	25	31	9	6	VISUAL		
BROWN WEATHERED SHALE											
160+50 65 RT	50.0-50.4	(9)	4	17	50	20	28	6	5	VISUAL	
	BROWN AND GRAY WEATHERED SHALE										
	2.5-3.0	11	3	10	37	39	31	11	24	A-6A	
	5.0-6.5	0	1	3	47	49	37	14	21	A-6A	
	7.5-9.0	0	2	7	34	57	35	14	17	A-6A	
	10.0-11.5	0	2	30	25	43	24	6	18	A-4A	
	12.5-14.0	13	2	7	35	43	35	14	14	A-6A	
	15.0-16.5	0	2	6	46	46	33	11	15	A-6A	
	17.5-19.0	0	1	7	55	36	25	6	25	A-4B	
	20.0-21.5	8	7	15	44	26	26	6	27	A-4A	
22.5-24.5	(-)							14	VISUAL		
GRAY SANDY SILT WITH SHALE FRAGMENTS											
160+50 110 RT	25.0-25.8	(0)	1	21	52	26	25	6	10	VISUAL	
	BROWN AND GRAY WEATHERED SANDY SHALE										
	2.5-4.0	0	8	14	38	40	33	9	34	A-4A	
	5.0-6.5	0	2	6	54	38	28	5	29	A-4B	
	7.5-9.0	0	2	16	54	28	27	6	27	A-4B	
10.0-11.5	0	1	1	73	25	25	4	30	A-4B		
12.5-14.0	(0)	0	30	22	48			12	VISUAL		
GRAY SHALE											