DLZ Ohio, Inc. * 6121 Huntley Road, Columbus, Ohio 43229 * (614) 888-0040

Client: ms consultants | *Project:* FRA-70-8.93 | *Job No.* 0221-1004.01

LOG OF: Boring B-037-0-08 | *Location:* Sta. 207+95.00, 29.17' LT., BL I-70 WB | *Date Drilled:* 7/21/2008 to 7/24/2008

WATER OBSERVATIONS:
Water seepage at: 21.0', 25.4', 33.0', 40.5'
Water level at completion: 25.6' (prior to coring), 51.6' (includes drilling water)

FIELD NOTES:
Advanced boring using 3.0" diameter flush joint casing.

Depth (ft)	Elev. (ft)	Blows per 6"	Recovery	Sample No. Drive	Sample No. Press / Core	Hand Penetrometer (tsf)	DESCRIPTION	Graphic Log	GRADATION % Aggregate	% C. Sand	% M. Sand	% F. Sand	% Silt	% Clay
	749.1													
1.8	747.3						Asphalt Concrete - 6.5" Portland Cement Concrete - 9.5" Aggregate Base - 5"							
		5 13 16	0	1		--	Stiff brown and gray SILT AND CLAY (A-6a), some fine to coarse sand, some gravel; increased moisture content due to pavement coring; damp to moist.							
		9 13 14	5	2		1.75			29	15	---	17	24	15
5														
		6 10 14	1	3		--								
8.5	740.6													
		3 8 12	2	4		--	Very stiff gray SILT AND CLAY (A-6a), little to some fine to coarse sand, little gravel; damp to moist.							
10														
		4 35 25	18	5		3.75								
13.5	735.6													
		10 16 16	2	6		4.25	Hard gray SANDY SILT (A-4a), some fine to coarse sand, trace gravel; damp.							
15														
		10 11 12	1	7		--								
		7 12 21	18	8		4.5+			8	11	---	22	40	19
20.0	729.1	20												
		10 21 22	5	9		0.75	Hard gray SILT AND CLAY (A-6a), some fine to coarse sand, little gravel; damp. @ 20.0'-21.5', stiff, wet; possible sand and gravel seam.		18	14	---	20	32	16
		12 24 29	18	10		4.5+			13	12	---	21	36	18
23.0	726.1													
		19 48 50/5	2	11		4.5+	Hard gray SANDY SILT (A-4a), trace to little gravel; contains sand seams; damp.		10	15	---	28	32	15
25	724.1	16												

STANDARD PENETRATION (N60)
Natural Moisture Content, % - ●
PL ⊢ LL
Blows per foot - ○ / Non-Plastic - NP
10 20 30 40

63
56
50+