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-043-0-08 | *Location:* Sta. 215+73.16, 1.06' LT., BL I-70 WB | *Date Drilled:* 7/16/2008 to 7/20/2008

WATER OBSERVATIONS:
Water seepage at: 37.0', 77.0'
Water level at completion: 14.4' (includes drilling water)

FIELD NOTES:
Advanced boring using 3.25" diameter hollowstem augers.

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	STANDARD PENETRATION (N60) Natural Moisture Content, % - ● PL ⊢ LL Blows per foot - ○ / Non-Plastic - NP (10 20 30 40)
	718.1														
		20 42 50/5	17	13		4.5+	Hard gray SANDY SILT (A-4a), some fine to coarse sand, trace gravel; damp.								50+ ○
		24 34 45	18	14		4.5+									83 ○
30															
		11 30 40	18	15		4.5+									74 ○
35															
		13 28 45	10	16		--	@ 38.5', becomes wet.								77 ○
40															
42.0	701.1														
		17 34 38	18	17			Very dense gray GRAVEL WITH SAND (A-1-b), trace silt; wet.		22	42	---	27	--9--		NP ● 76 ○
45															
		13 31 39	18	18											74 ○
50	693.1														