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-036-0-08 | *Location:* Sta. 206+71.43, 61.17' RT., BL I-70 EB | *Date Drilled:* 7/14/2008 to 7/16/2008

WATER OBSERVATIONS:
Water seepage at: 14.0'
Water level at completion: 11.8' (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)
	734.7														
							Asphalt Concrete - 9.5" Portland Cement Concrete - 11" Aggregate Base - 4"								
2.0	732.7	16 22 27	13	1			Dense to very dense brown GRAVEL WITH SAND (A-1-b), trace to little silt; damp to moist.								
		20 24 25	13	2											
5		12 15 23	14	3					17	43	---	23	--17--		NP ● 63
		14 24 38	14	4					22	44	---	21	--13--		NP ●
		16 23 25	14	5					32	36	---	20	--12--		NP ● 67
10		19 32 34	15	6					36	34	---	17	--13--		NP ●
11.0	723.7	10 25 26	15	7			Very dense brown COARSE AND FINE SAND (A-3a), little silt, trace gravel; moist.		1	41	---	44	--14--		NP ● 52
12.5	722.2	17 29 31	16	8			Dense to very dense brown GRAVEL WITH SAND (A-1-b), little silt; moist to wet.								61
15		4 22 27	14	9			@ 14.0', becomes wet.								
		6 18 21	15	10											
		9 20 21	13	11											
		28 32 50/5	14	12					37	31	---	16	--16--		NP ● 50+
20															
		17 30 35	12	13											66
		18 28 29	13	14											58
25	709.7														