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-030-0-08 | *Location:* Sta. 194+14.54, 24.17' LT., BL I-70 WB | *Date Drilled:* 7/20/2008 to 7/23/2008

WATER OBSERVATIONS:
Water seepage at: 16.0'
Water level at completion: 13.6' (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)
	661.7						Very dense gray GRAVEL WITH SAND (A-1-b), trace to little silty clay; wet.								
		35 50/5	10	24			@ 78.5', 1.0 foot sand heave.								50+
80															
		21 47 47	13	25			@ 83.5', 4.6 feet sand heave.		15	39	---	33	--13--		96
85															
		15 23 46	9	26											70
90															
		37 50/3	9	27											50+
95															
		38 50/5	7	28											50+
100	636.7														