
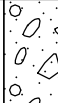












Client: ms consultants						Project: FRA-70-8.93						Job No. 0221-1004.01					
LOG OF: Boring B-030-0-08						Location: Sta. 194+14.54, 24.17' LT., BL I-70 WB						Date Drilled: 7/20/2008 to 7/23/2008					
Depth (ft)	Elev. (ft)	Blows per 6"	Recovery	Sample No.		Hand Penetro- meter (tsf)	WATER OBSERVATIONS: Water seepage at: 16.0' Water level at completion: 13.6' (includes drilling water) FIELD NOTES: Advanced boring using 3.25" diameter hollowstem augers.	Graphic Log	GRADATION						STANDARD PENETRATION (N60) Natural Moisture Content, % - ● PL ————— LL Blows per foot - ○ / Non-Plastic - NP 10 20 30 40		
				Drive	Press / Core				% Aggregate	% C. Sand	% M. Sand	% F. Sand	% Silt	% Clay			
	736.7						DESCRIPTION										
1.4	735.3						Asphalt Concrete - 11" Aggregate Base - 6"										
		4 6 8	11	1			Loose to medium dense brown GRAVEL WITH SAND (A-1-b), some fine to coarse sand, little silt; damp.										
		3 3		2													
5.0	731.7	1	8														
		4 14 21	18	3		4.5+	Hard gray SILTY CLAY (A-6b), some fine to coarse sand, trace gravel; contains few rock fragments; damp to moist.		9	9	---	14	40	28			
6.5	730.2					4.5+	Hard gray SILT AND CLAY (A-6a), some fine to coarse sand, trace gravel; damp.		6	10	---	15	40	29			
8.0	728.7	10 16 19	18	4		4.5+	Hard gray SANDY SILT (A-4a), some fine to coarse sand, trace gravel; damp.		5	11	---	18	41	25			
		13 19 21	18	5		4.5+											
		11 15 27	18	6		4.5+											
11.0	725.7	16 50/5	8	7			Dense to very dense gray GRAVEL (A-1-a), little to some fine to coarse sand, trace to little silty clay; damp.		71	12	---	5	--12--	NP			
		11 33 38	13	8					59	21	---	8	--12--	NP			
		18 23 23	13	9			@ 16.0', becomes wet.		61	20	---	8	--11--				
		12 13 21	12	10													
		13 28 36	12	11													
23.5	713.2																
		17 34 40	14	12			Very dense gray COARSE AND FINE SAND (A-3a), some silty clay; wet.										
	711.7							