


SOIL BORING

SN: 6S084I072L105.9

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Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

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Date 5/22/12


ROUTE I-72 WBL DESCRIPTION Sign Truss over I-72 WBL LOGGED BY M. Tappan

SECTION LOCATION SW 1/4 SEC. 21 TWP. 16. RNG. 4. 3 PM

COUNTY Sangamon DRILLING METHOD HSA HAMMER TYPE 140# Auto

STRUCT. NO. 6S084I072L105.9 Station	DEPTH H S	B L O W S	U C S Qu	M O I S T %	Surface Water Elev.
					ft
					NA
					NA
BORING NO. 1 N Shoulder Station 149+87 Offset 82.09 LT Ground Surface Elev. 558.0 ft					Groundwater Elev.: First Encounter Upon Completion Cored ft After 72 Hrs. 555.5 ft
Gray and Brown Moist SILTY CLAY	2				
	3	1.4	17		
	5	B			
555.00					
Brown and Gray Dry CLAY LOAM (Till)	4				
	16	7.4	8		
	37	S-10			
Gray Dry CLAY LOAM (Till) Sample Broke	7				
	35	1.0	7		
	65	E			
	6				
	10				
	67	1.0	7		
	33	E			
	12				
547.00					
Gray Dry Fissile Clayey SHALE	2				
	15		17		
	22				
	4				
	26		9		
	59				
543.00					
Borehole continued with rock coring.					

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated) Abbreviations W.O.H - Sampler Advanced By Weight of Hammer, W.O.P - Advanced by Weight of Pipe, B.S. - Before Seating The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-99)



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					ft
					NA
					NA
BORING NO. 2 Median Station 150+19 Offset 7.08 LT Ground Surface Elev. 555.7 ft					Groundwater Elev.: First Encounter Upon Completion Cored ft After 72 Hrs. Surface ft
Gray Dry CLAY LOAM (Till)	7				
	20	8.9	7		
	42	S-9			
	8				
	27	7.9	7		
	61	S-11			
	3				
	13	5.1	8		
	17	S-12			
548.70					
Gray Dry Fissile Clayey SHALE	3				
	13		12		
	16				
	7				
	27		10		
	33				
	7				
	47		9		
	47				
540.20					
Borehole continued with rock coring.					

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