


BORING LOGS



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1
Date 5/27/14

ROUTE FAU 5789/FAU 5861 DESCRIPTION P92-017-09 Proposed culvert on US 6, 875' W. of IL 84 LOGGED BY W. Garza


SECTION 2R-1 LOCATION Colona Twp. - 15SE, SEC. , TWP. 17N, RNG. 1E

COUNTY Henry DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. Station	D E P T H H	B L O W S	U C S Qu	M O I S T U R E (%)	Surface Water Elev. _____ ft	Stream Bed Elev. _____ ft	Groundwater Elev.: First Encounter _____ ft	Upon Completion _____ ft	After _____ Hrs. _____ ft	D E P T H H	B L O W S	U C S Qu	M O I S T U R E (%)
-90.361082 41.455991 SOFT brown SILTY CLAY LOAM			0.4 P	26			VERY STIFF gray TILL/SHALE (continued)			12 11	3.5 P	16	
634.50 STIFF tan SILTY LOAM		4 3 4	1.4 S	21			DENSE gray SHALE			9 20 24			
633.00 STIFF tan SILTY LOAM		2 3 6	1.9 B	21			VERY DENSE gray SHALE			10 26 41			
630.00 LOOSE tan fine SAND		1 2 4					End of Boring						
627.50 HARD tan TILL		6 9 12	4.5 B	11						-25 -30			
625.50 VERY STIFF gray TILL		6 7 10	2.3 B	8									
623.00 STIFF gray TILL		5 7 10	1.7 B	10						-15 -35			
620.50 VERY STIFF gray TILL		3 7 9	2.9 S	9									
618.00 VERY STIFF gray TILL/SHALE		7								-20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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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-90.361072 41.456160 SOFT brown SILTY CLAY LOAM			0.3 P	20			HARD gray TILL (continued)			10 12	5.0 S	8	
634.60 VERY LOOSE tan fine SAND		1 1 3					DENSE gray SHALE			3 15 23		12	
632.60 STIFF tan TILL		1 3 6	1.2 B	15			VERY DENSE gray SHALE			12 24 37			
630.60 VERY STIFF tan TILL		13 13 15	2.9 S	9			End of Boring						
628.10 STIFF tan TILL		4 6 9	1.7 S	10						-10 -30			
625.60 VERY STIFF tan TILL		4 5 10	2.9 B	11									
623.10 HARD gray TILL		10 14 14	6.1 S	10						-15 -35			
620.60 HARD gray TILL		6 9 12	6.2 S	9									
618.10 HARD gray TILL		8								-20			

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