

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
649	(22)N & TS-3	MARSHALL	21	17
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



Illinois Department of Transportation

Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 9/21/05

ROUTE FAP 649 17 DESCRIPTION Traffic Signal Borings at intersection of IL 17 & IL 26 LOGGED BY Larry Myers

SECTION (22)N&TS-3 LOCATION SW 14, SEC. 25, TWP. 30, RNG. 10, 4th PM

COUNTY Marshall DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. Station	D E P T H	B L O W S	U C S Qu	M O I S T U R E	Soil Description				D E P T 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				
Augered Brown Silty Loam						Medium brown loamy fine sand / course gravel up to cobble size.			7			
									16		2.4	
									10			
						* A cobble sized rock effected the blow counts at 12.5' to 14' as well as at 22.5' to 24'.						
Very Stiff Brown Sandy Loam (Fine/Very Fine Sand) FILL		3							10			
		3	3.5	6.2					26		3.7	
		5	P			There was no recovery between 15' and 19'. Auger cuttings indicate same material with large amount of coarse gravel. (continued)			13	*		
		-5							-25			
		10		7.1					10			
Very stiff Brown Grey Loam (Mix of sand gravel, silt in clay material)		13							12		4.0	
		15	3.5	3.3					12			
			P			End of Boring						
Medium brown loamy fine sand / course gravel up to cobble size.		9										
		6		3.4								
		6				* A cobble sized rock effected the blow counts at 12.5' to 14' as well as at 22.5' to 24'.						
		-10							-30			
There was no recovery between 15' and 19'. Auger cuttings indicate same material with large amount of coarse gravel.		3										
		8		2.6								
		12										
		9										
		30		3.2								
		9	*									
		-15							-35			
		2										
		12										
		14										
		7										
		10										
		12										
		-20							-40			

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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					Surface Water Elev. _____ ft	Stream Bed Elev. _____ ft	Groundwater Elev.: First Encounter _____ ft Upon Completion _____ ft	After _____ Hrs. _____ ft				
Augered brown Silty Loam						Medium Brown Loamy Fine Sand / Course Gravel up to cobble size. (High course gravel content). (continued)			9			
									7		4.8	
									8			
Very stiff brown Sandy Loam. (Fine to very fine sand). Fill?		5										
		3	2.0	5.0								
		4	P									
		-5							-25			
		10							7			
Hard Brown Loam (mix of sand, gravel, cobble, silt in clay matrix).		15							17		4.0	
		12		8.0					10			
		-5										
Medium Brown Loamy Fine Sand / Course Gravel up to cobble size. (High course gravel content).		6										
		12		3.4								
		8										
		-10							-30			
		3										
		7		3.8								
		8										
		12										
		10		4.5								
		10										
		-15							-35			
		5										
		9		2.9								
		7										
		5										
		8		3.8								
		9										
		-20							-40			

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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)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SOIL BORING LOG

DATE _____ DRAWN BY _____
CHECKED BY _____

2/27/2006 c:\projects\ep02005\bor logs.dgn