

District 1
Schedule of Overhead Sign Structure Repair & Replacement

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 2
Date 7/13/07

ROUTE FAP 346 (US-41) DESCRIPTION Proposed Cantilever Sign South of IL-22 LOGGED BY M. Esposito

SECTION _____ LOCATION SE 1/4, SEC. 16, TWP. 43N, RNG. 12E, 3rd PM

COUNTY LAKE DRILLING METHOD CME 750, 3.25 in. ID HSA HAMMER TYPE CME Automatic

STRUCT. NO.	D	B	U	M	Surface Water Elev.	D	B	U	M
Station	E	L	C	O	ft	E	L	C	O
BORING NO.	P	O	S	S	Stream Bed Elev.	P	O	S	S
Station	T	W	Qu	T	Groundwater Elev.:	H	S	Qu	T
Offset	H	S			First Encounter	(ft)	(/6")	(tsf)	(%)
Ground Surface Elev.	(ft)	(/6")	(tsf)	(%)	Upon Completion	After 72 Hrs.			
Brown SILTY LOAM (Topsoil)				13	Gray Coarse Gravel (continued)	79.59	4		16
Loose Brown SAND					Very Stiff Gray SILTY CLAY		7	3.0	16
Hard Brown SILTY LOAM						78.09	6	B	
	8				Soft Gray SILTY CLAY		2		
	11	>4.5		12			3	0.7	20
	13						3	B	
Grades w/More Clay									
	5						2		
	9	7.4		15			2	0.4	15
	10	S@					3	B	
		15%							
	4						1		
	7	5.9		16			2	0.4	18
	9	B					2	B	
	3	2.5		15	Grades to Very Stiff		1		
Very Stiff Gray SILTY CLAY							3	3.0	18
	4	P					6	B	
	7	2.6							
Loose Gray Coarse SAND					Medium Dense Gray Fine SAND	68.09			
*Note: Began Drilling w/Water							3		
	3						6		21
	4						6		
	4								
	3	2.2		18	*Note: Began Drilling w/Water		4		
Stiff to Very Stiff Gray SILTY CLAY							7		22
*Note Ceased Drilling w/Water							12		
	5	B							
	7						6		
	1						9		18
	3	1.6		11			11		
	6	B							
					Note: Drilled with water from 12 ft. to 15 ft. and from 34 ft. to 39 ft.	61.09			
Gray Coarse Gravel									

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)

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	9	B					2	B	
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	5	B							
	7						6		
	1						9		18
	3	1.6		11			11		
	6	B							
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Gray Coarse Gravel									

Benchmark used was a + on the southeast traffic light base at the intersection of IL-22 and US-41. Assumed elevation = 100.00 ft. End of Boring

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