



Illinois Department of Transportation  
Division of Highways  
Illinois Department of Transportation

### SOIL BORING LOG

Page 1 of 1

Date 3/15/10

ROUTE I-57/70 DESCRIPTION Overhead Sign Truss locations LOGGED BY E. Sandschafer

SECTION Various LOCATION N 1/2, SEC. 30, TWP. 8 N, RNG. 6 E, 3 PM

COUNTY Effingham DRILLING METHOD Hollow stem auger & split spoon HAMMER TYPE Auto 140#

STRUCT. NO. 7S025I057R159.0 Station 2131+68	D E P T H S	B L O W S	U C S Qu	M O I S T %	Surface Water Elev. N/A ft Stream Bed Elev. N/A ft	D E P T H S	B L O W S	U C S Qu	M O I S T %	Groundwater Elev.: First Encounter 574.3 ft Upon Completion 581.5 ft After 24 Hrs. 586.3 ft
12" asphalt shoulder on 6" crushed stone subbase.							0	0.3	21	Medium to soft, damp, gray, CLAY LOAM. (continued)
594.81						2	B			
Skipped this trip.										Hard, damp, gray, SANDY CLAY TILL.
						25				
						50	+4.5	7		
						50/5*	PP			
Gray, CLAY.										Hard, damp, gray, CLAY LOAM TILL.
591.81						17				
Stiff, damp, brown, CLAY LOAM TILL, embankment.		3				32	6.0	8		
		6	1.8	11		44	BS			
		10	B							Extent of exploration.
		3								
588.31		4	1.3	19						Stiff, damp, gray, CLAY w/ Silt.
		8	B							
586.81		4								Soft, damp, gray, SILTY LOAM.
		4	0.4	18						
		5	B							
583.81		1								Stiff, damp, red/gray/black, CLAY.
		3	1.4	23						
		3	B							
		0								
		3	1.2	23						
		6	B							
579.31		1								Medium to soft, damp, gray, CLAY LOAM.
		3	1.0	19						
		3	B							
		0								

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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5 1/2" asphalt on 10 1/4" concrete pavement.							2	0.3	20	Medium, very damp, red, SANDY CLAY LOAM TILL. (continued)
595.30						2	B			
Gray, CLAY.										
										Very soft, wet, red, SANDY LOAM. 6' water on drill rod.
						0				
Skipped this trip.										Red, SANDY CLAY TILL.
						3	0.1	24		
						24	B			
592.10										Hard, very moist, gray, CLAY LOAM TILL.
Stiff, damp, gray, CLAY LOAM TILL, embankment.		4				15				
		5	2.0	14		27	9.1	8		
		11	B			50	S			
										Extent of exploration.
589.60		3								Stiff to medium, damp, gray, SILTY CLAY.
		4	1.5	21						
		9	B							
		2								
		4	1.0	19						
		5	B							
584.60		2								Stiff, damp, gray marbled red, CLAY.
		4	1.3	20						
		5	B							
582.10		1								Medium, damp, gray mottled brown, SANDY CLAY LOAM.
		3	0.9	20						
		3	B							
		0								
		3	1.5	20						
		3	B							
578.90		3	1.5	20						Stiff, damp, red/gray/black, CLAY LOAM TILL.
		3	B							
		0								
		2								

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