

Illinois Department of Transportation SOIL BORING LOG

Page 1 of 2
Date 1/24/05

ROUTE 586 DESCRIPTION West Retaining Wall LOGGED BY MH/PMK
SECTION 60-10-4HB LOCATION NW 1/4, SEC. 8, TWP. 3N, RNG. 7W, 3rd PM
COUNTY Madison DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140-lb Hydraulic

STRUCT. NO. 060-W001
Station 1358+75
BORING NO. SB-28
Station 1358+75
Offset 125.00R Right
Ground Surface Elev. 561.81 ft

D E P T H H S	B L O W S Q u T	U C S	M O I	Surface Water Elev.		D E P T H H S	B L O W S Q u T	U C S	M O I
				NA ft	NA ft				
				Surface Water Elev.	NA ft				
				Stream Bed Elev.	NA ft				
				Groundwater Elev.	NA ft				
				First Encounter	563.6 ft				
				Upon Completion	522.6 ft				
				After Days					
2		54.3		Dark Gray-Brown Silty Clay LOAM	541.11		3	1.3	15.5
3				Gray-Brown Silty Clay LOAM			8	B/20	
1		26.2		Dark Gray-Brown CLAY	533.81		2	1.5	14.8
2				Dark Gray-Brown CLAY			8	S/20	
1		30.3		Dark Gray-Brown CLAY	533.81		4	1.9	13.0
2				Dark Gray-Brown CLAY			12	S/15	
1		27.2		Dark Gray-Brown CLAY	533.81		5	3.0	12.9
2				Dark Gray-Brown CLAY			9	S/20	
2		25.3		Gray Silty CLAY	548.91		10	1.9	13.0
4				Dark Gray-Brown below 10.5 Feet			21	B/20	
1		23.7		Dark Gray-Brown below 37.0 Feet			3	1.4	27.8
2				Dark Gray-Brown below 37.0 Feet			5	S/20	
1		21.8		Dark Gray-Brown Clay LOAM	543.81		2	2.2	20.5
2				Dark Gray-Brown Clay LOAM			8	B/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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D E P T H H S	B L O W S Q u T	U C S	M O I	Surface Water Elev.		D E P T H H S	B L O W S Q u T	U C S	M O I
				NA ft	NA ft				
				Surface Water Elev.	NA ft				
				Stream Bed Elev.	NA ft				
				Groundwater Elev.	563.6 ft				
				First Encounter	522.6 ft				
				Upon Completion					
				After Days					
2				Dark Gray-Brown CLAY	511.61		5	3.0	17.3
8				Dark Gray-Brown CLAY			13	B/20	
1		17.3		Dark Gray-Brown CLAY	511.61		3	3.1	17.8
2				Dark Gray-Brown CLAY			10	S/15	
1		17.8		Dark Gray-Brown CLAY	511.61		14	S/15	
2				Dark Gray-Brown CLAY			14	S/15	
1		20.5		Dark Gray-Brown CLAY	511.61		2	2.2	20.5
2				Dark Gray-Brown CLAY			8	B/20	

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STRUCT. NO. 060-W001
Station 1358+25
BORING NO. SB-28
Station 1358+25
Offset 115.00R Right
Ground Surface Elev. 562.73 ft

D E P T H H S	B L O W S Q u T	U C S	M O I	Surface Water Elev.		D E P T H H S	B L O W S Q u T	U C S	M O I
				NA ft	NA ft				
				Surface Water Elev.	NA ft				
				Stream Bed Elev.	NA ft				
				Groundwater Elev.	562.7 ft				
				First Encounter	562.7 ft				
				Upon Completion	Not Available				
				After Days					
4		18.5		Gray-Brown SILT	542.23		2	2.0	10.3
7				Gray-Brown SILT			8	B/20	
1		24.8		Dark Gray-Brown Silty Clay LOAM	559.73		2	1.8	15.0
3				Dark Gray-Brown Silty Clay LOAM			3	7	B/20
1		27.2		Brown 5.5 to 10.5 Feet	537.23		3	2.1	14.7
2				Brown 5.5 to 10.5 Feet			10	B/20	
1		26.6		Gray-Brown Clay LOAM	537.23		4	2.8	13.9
2				Gray-Brown Clay LOAM			7	2.8	13.9
1		23.8		Gray-Brown Clay LOAM	548.73		3	0.8	22.5
3				Gray-Brown Clay LOAM			2	B/20	
1		22.5		Dark Gray SILT	528.23		7	10	18.0
2				Dark Gray SILT			16		
1		28.1		Brown Sandy LOAM	548.23		3	1.0	28.1
4				Brown Sandy LOAM			4	B/20	
1		27.3		Gray-Brown CLAY	525.98		5		
3				Gray-Brown CLAY			8		
4				Gray-Brown CLAY			4	B/15	

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Offset 115.00R Right
Ground Surface Elev. 562.73 ft

D E P T H H S	B L O W S Q u T	U C S	M O I	Surface Water Elev.		D E P T H H S	B L O W S Q u T	U C S	M O I
				NA ft	NA ft				
				Surface Water Elev.	NA ft				
				Stream Bed Elev.	NA ft				
				Groundwater Elev.	562.7 ft				
				First Encounter	523.3 ft				
				Upon Completion	523.8 ft				
				After Days					
4		23.1		Very Dark Gray Silty CLAY, FILL	546.28		1	0.5	25.2
8				Very Dark Gray Silty CLAY, FILL			2	B/20	
2		17.3		Gray Sandy LOAM	543.78		1		
5				Gray Sandy LOAM			3	B/15	
7		17.3		Gray-Brown Silty Clay LOAM	542.28		2	0.2	18.0
2		25.9		Gray-Brown Silty Clay LOAM	560.28		2	1.1	20.7
4				Gray-Brown Silty Clay LOAM			3	B/20	
1		15.8		Dark Gray-Brown Silty Clay	538.78		2	2.0	14.5
2				Dark Gray-Brown Silty Clay			6	B/10	
1		30.8		Dark Gray-Brown below 10.5 Feet			3	2.5	20.1
2				Dark Gray-Brown below 10.5 Feet			9	B/10	
2		32.1		Dark Gray-Brown below 10.5 Feet			8	2.0	14.5
4				Dark Gray-Brown below 10.5 Feet			10	B/10	
1		27.8		Dark Gray SILT	530.01		5		
3				Dark Gray SILT			11	8.2	11.6
1		24.3		Dark Gray SILT	530.01		14	S/20	
2				Dark Gray SILT			14	S/20	
1		24.9		Gray Silty CLAY	548.78		11		
2				Gray Silty CLAY			20		
2		15.2		Gray Silty CLAY			25		

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STRUCT. NO. 060-W001
Station 1359+75
BORING NO. SB-30
Station 1359+75
Offset 100.00R Right
Ground Surface Elev. 566.76 ft

D E P T H H S	B L O W S Q u T	U C S	M O I	Surface Water Elev.		D E P T H H S	B L O W S Q u T	U C S	M O I
				NA ft	NA ft				
				Surface Water Elev.	NA ft				
				Stream Bed Elev.	NA ft				
				Groundwater Elev.	548.3 ft				
				First Encounter	527.3 ft				
				Upon Completion	523.8 ft				
				After Days					
4		23.1		Gray Silty CLAY (continued)	548.28		1	0.5	25.2
8				Gray CLAY			2	B/20	
2		17.3		Gray Sandy LOAM	543.78		1		
5				Gray Sandy LOAM			3	B/15	
7		17.3		Gray-Brown Silty Clay LOAM	542.28		2	0.2	18.0
2		25.9		Gray-Brown Silty Clay LOAM	560.28		2	1.1	20.7
4				Gray-Brown Silty Clay LOAM			3	B/20	
1		15.8		Dark Gray-Brown Silty Clay	538.78		2	2.0	14.5
2				Dark Gray-Brown Silty Clay			6	B/10	
1		30.8		Dark Gray-Brown below 10.5 Feet			3	2.5	20.1
2				Dark Gray-Brown below 10.5 Feet			9	B/10	
2		32.1		Dark Gray-Brown below 10.5 Feet			8	2.0	14.5
4				Dark Gray-Brown below 10.5 Feet			10	B/10	
1		27.8		Dark Gray SILT	530.01		5		
3				Dark Gray SILT			11	8.2	11.6
1		24.3		Dark Gray SILT	530.01		14	S/20	
2				Dark Gray SILT			14	S/20	
1		24.9		Gray Silty CLAY	548.78		11		
2				Gray Silty CLAY			20		
2		15.2		Gray Silty CLAY			25		

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D E P T H H S	B L O W S Q u T	U C S	M O I	Surface Water Elev.		D E P T H H S	B L O W S Q u T	U C S	M O I
				NA ft	NA ft				
				Surface Water Elev.	NA ft				
				Stream Bed Elev.	NA ft				
				Groundwater Elev.	548.3 ft				
				First Encounter	527.3 ft				
				Upon Completion	523.8 ft				
				After Days					
4		23.1		Gray Silty CLAY (continued)	548.28		1	0.5	25.2
8				Gray CLAY			2	B/20	
2		17.3							