

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation
Division of Highways
Soil Boring Log

Page 1 of 3
Date 12/17/70

ROUTE FAP 314 DESCRIPTION IL 4 over Silver Creek LOGGED BY C. Hoffman

SECTION 108BR-1 LOCATION SW 14, SW 14, SEC. 20, TWP. 5N, RNG. 6W, 3 PM

COUNTY Madison DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. 060-0106 Station 264+00

BORING NO. 1 S. Abut Station 265+05 Offset 11.00ft Left Ground Surface Elev. 507.4 ft

SOIL DESCRIPTION	DEPTH (ft)	BL (ft)	SL (%)	PL (%)	UCS (psi)	Failure Mode	SPT (blows)
Surface Water Elev.							
Stream Bed Elev.							
Groundwater Elev.:							
First Encounter	483.2						
Upon Completion							
After Hrs.							
Gray Silty Sandy CLAY (continued)	6	0.55			22		
Brown Silty CLAY							
	15	1.83			20		
		B					
Gray Clayey SILT							
	16	2.03			23		
		B					
Gray Silty CLAY							
	7	1.04			27		
		B					
Gray Silty Sandy CLAY							
	25	2.54			25		
		B					
Gray Clayey SILT							
	7	0.91			21		
		S					
Gray Clayey Sandy SILT							
	7	1.04			20		
		S					
Gray Silty Sandy CLAY							
	6	0.65			18		
		B					
Gray Clay TILL							
	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 T208)
BBS, from 137 (Rev. 8-99)

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Surface Water Elev.							
Stream Bed Elev.							
Groundwater Elev.:							
First Encounter	483.2						
Upon Completion							
After Hrs.							
Gray Clay TILL (continued)	25	2.16			17		
		B					
Gray Silty CLAY (continued)							
	25	1.76			17		
		B					
Gray Coarse to Fine SAND with some Gravel (continued)							
	34	2.16			18		
		B					
Gray Silty CLAY (continued)							
	30	1.96			16		
		B					
Gray Coarse to Fine SAND							
See Gradation @ 70 ft							
	10	1.63			20		
		B					
Gray Silty CLAY							
Boring Extended on 3/28/05 at Station 265+18, 11 ft Left							
	11	4.1			17		
		S20					
Gray Coarse to Fine SAND with some Gravel							
See Gradation @ 75 ft							
	7						
Gray Coarse to Fine SAND with some Gravel							
See Gradation @ 80 ft							

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 T208)
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Surface Water Elev.							
Stream Bed Elev.							
Groundwater Elev.:							
First Encounter	483.2						
Upon Completion							
After Hrs.							
Gray Coarse to Fine SAND with some Gravel (continued)	426.4				14		
					16	NC	
End of Boring							

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 T208)
BBS, from 137 (Rev. 8-99)

BORING LOGS
F.A.P. RTE. 314 - SEC. 108BR-1
MADISON COUNTY
STATION 263+51
STRUCTURE NO. 060-0334