

Illinois Department of Transportation
Division of Highways
SOIL BORING LOG

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Date 10/22/08

ROUTE FAS 2704 DESCRIPTION Old US 50 over Nickolson Creek LOGGED BY E. Sandschafer

SECTION 12B-111 LOCATION NE 1/4, SEC. 4, TWP. 2 N, RNG. 5 E, 3 PM

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

STRUCT. NO. 013-0022 Station 407+98

BORING NO. 1 East Station 407+72 Offset 7.000 ft Ground Surface Elev. 535.33 ft (ft) (6") (tsf) (%)

Description	Depth (ft)	Bulge (ft)	S-Shear (ft)	P-Penetrometer (ft)	Soil Description		
					Soil	Notes	Remarks
8 1/4" asphalt on 6 1/2" concrete pavement.	0	0.1	27				
Brown, SILTY CLAY.	534.23						
Stiff, damp, red, SILTY LOAM.	533.33						
	11						
	17	1.6	19				
	21	S					
	8						
	5	1.1	16				
	4	B					
	528.33						
Stiff, damp, red marbled gray, CLAY LOAM.	528.33						
	2						
	3	1.9	22				
	5	S					
	525.83						
Stiff to medium, damp, gray/brown/red, CLAY.	525.83						
	-10						
	4	1.8	22				
	5	B					
	3						
	3	1.8	19				
	5	B					
	-15						
	3	1.0	22				
	4	B					
	517.83						
Medium to very soft, wet, red/graybrown, SILTY LOAM.	517.83						
	3	0.5	23				
	4	B					
	-20						

Latitude W 88 deg 28.654 min. Longitude N 38 deg 38.796 min. Map Datum: NAD 83

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, form 137 (Rev. 8-99)

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

STRUCT. NO. 013-0022 Station 407+98

BORING NO. 2 West Station 409+24 Offset 6.500 ft Ground Surface Elev. 535.34 ft (ft) (6") (tsf) (%)

Description	Depth (ft)	Bulge (ft)	S-Shear (ft)	P-Penetrometer (ft)	Soil Description		
					Soil	Notes	Remarks
7 3/4" asphalt on 10" concrete pavement.	0	1.7	18				
Brown, SILTY CLAY.	533.84						
Medium to soft, damp, gray, SILTY LOAM.	533.34						
	3						
	3	0.8	19				
	4	B					
	2						
	1	0.3	26				
	2	B					
	1						
	1	0.3	25				
	1	B					
	525.84						
Stiff, damp, red/graybrown, CLAY.	525.84						
	-10						
	3	1.5	22				
	4	B					
	2						
	4	1.5	21				
	5	BS					
	-15						
	2						
	3	1.3	22				
	4	B					
	518.34						
Medium, damp, red marbled gray, SILTY CLAY LOAM.	518.34						
	2						
	3	0.8	19				
	3	B					
	-20						

Latitude W 88 deg 28.685 min. Longitude N 38 deg 38.792 min. Map Datum: NAD 83

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, form 137 (Rev. 8-99)