

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 22 22 SHEETS
F.A.S. 1848	28-4BR	ST. CLAIR	101	89	
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT		

Contract #76394

Illinois Department of Transportation
Division of Highways
District 8 Materials

SOIL BORING LOG

Page 1 of 2 Date 11/14/03

ROUTE FAU 9251 DESCRIPTION IL 159177 over Loop Creek, 1 mile west of IL 158 Junction LOGGED BY Schreuder/Ford

SECTION 28-4BR LOCATION Center, SEC. 28, TWP. 1N, RNG. 7W, 3 PM

COUNTY St. Clair DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. 082-0058 (E) Station 356+18

BORING NO. 5 Station 355+62 Offset 37.00R Right Ground Surface Elev. 435.9 ft

DEPTH (ft)	SOIL DESCRIPTION	DRILLING METHOD	HAMMER TYPE	Surface Water Elev. (ft)	Stream Bed Elev. (ft)	Groundwater Elev. (ft)	First Encounter Upon Completion After Hrs.	Blow Count (SPT)	Failure Mode
0	Brown Silty LOAM (continued)							0.7	
3								S20	
4	Sand Lenses							1	
4								0.9	
4								S20	
4						411.90			
5	Gray Silty CLAY							2	
3								1.5	
3								S20	
3									
2								1.5	
3								S20	
3	With Some Limestone Gravel Backfill at End of Wingwall								
5								1.2	
2								S20	
2									
2								0.6	
2								B	
0									
1								0.9	
3								S20	
2	Sand Lenses								
3								0.6	
2								S20	
0									
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, form 137 (Rev. 8-99)

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8	Gray Silty CLAY (continued)							4.5	
12								S10	
13									
10								3.3	
11								S20	
389.90									
40	Brown and Gray SHALE								
50								NC	
40									
381.90									
381.40	LIMESTONE							10	
65								NP	
End of Boring									
60									

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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)

BORING DETAILS
F.A.S. ROUTE 1848 - SECTION 28-4BR
ST. CLAIR COUNTY
STATION 356+18.50
STRUCTURE NO. 082-0272