

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**Illinois Department of Transportation**  
Division of Highway Region 5 / District 5

### SOIL BORING LOG

Page 1 of 2 Date 6/00

ROUTE FAI 57 DESCRIPTION bridge over railroad LOGGED BY Bryan Keller

SECTION XI-6VB LOCATION in Marion, SEC., TWP. 9S, RNG. 2E, 3 PM

COUNTY Williamson DRILLING METHOD HAMMER TYPE

STRUCT. NO. 100-0086 Station 1516+58.56

BORING NO. 1-S Station 1516+58 Offset 6.00ft Rt. of Roadway Ground Surface Elev. 465.3 ft

Surface Water Elev. ft	Stream Bed Elev. ft	Groundwater Elev. ft	First Encounter Upon Completion After 425.3 Hrs. ft	ft (ft)	(ft)	(%)	ft (ft)	(ft)	(%)	ft (ft)	(ft)	(%)
			42.0	461.3	4	2.0	19	6	B			
					1	1.5	19	3	B			
					2	0.3	24	2	B			
					1	1.6	20	5	B			
					2	2.2	19	6	B			
					2	1.4	20	3	B			
					2	1.4	18	3	B			
					1	1.3	18	4	B			
					2	0.9	21	3	B			
					3	1.7	19	4	B			
					2			4	B			

Soft, very moist, brown to grey Silty Clay A-6

Very stiff, moist, brown mottled grey, Clay A7-6

Stiff, moist, brown mottled grey, Clay A7-6

Stiff, moist, grey, Silty Loam to Silty Clay Loam A-4

Stiff, moist, brown mottled grey, Silty Clay Loam A-6

Medium, very moist, grey mottled brown, Clay A7-6

Stiff to very stiff, moist, grey mottled brown, Silty Clay to Silty Clay Loam A-6

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, form 137 (Rev. 8-99)

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			42.0	461.3	2	0.9	21	2	B			
					2	1.5	19	2	P			
					3	2.2	16	5	B			
					2	2.7	18	6	B			
					3	2.0	14	9	B			
					1	2.2	16	3	B			
					2	2.7	18	3	B			
					2	1.5	21	1	B			
					1	1.4	19	3	B			
					2	1.5	21	2	B			
					3	1.5	19	3	B			
					2	1.5	21	2	B			
					3	1.5	19	3	B			
					2	1.5	21	2	B			
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					2	1.5	21	2	B			
					3	1.5	19	3	B			