

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 3
Date 3/16/11

ROUTE FAS 770 DESCRIPTION IL 157 over Sugar Creek LOGGED BY JAS (TSI)

SECTION 64-1BR LOCATION NE 14, SEC. 1, TWP. 4N, RNG. 8W, 3 PM

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

STRUCT. NO. 060-0072 (E) / 060-0204 (P) Station 57+10

BORING NO. #2 E, Abut Station 57+10 Offset 11,00ft Left Ground Surface Elev. 469.7 ft (ft) (6") (tsf) (%)

SOIL DESCRIPTION	DEPTH (ft)	U (ft)	B (%)	S (%)	M (%)	MOISTURE (%)	LOG	TESTS
Asphaltic Concrete (3"), Crushed Limestone Base (3")	0 - 469.2							
Dark Brown (Soft, Moist) Silty CLAY (F ₁)	469.2 - 466.7	2	26				WH	
Brown (Soft, Moist) Silty CLAY (Loess)	466.7 - 464.2	2	23				WH	
Brown (Medium Stiff, Moist) Silty Clay LOAM (Loess)	464.2 - 461.7	3	19	1.31	B		WH	
Brown to GrayBrown (Medium Stiff, Moist) Silty LOAM (Alluvial)	461.7 - 459.2	4	19					
Dark Gray (Soft, Moist) Silty CLAY (Alluvial)	459.2 - 454.2	1	36	0.04	B			
Brown (Medium Stiff, Moist) Silty Clay LOAM (Alluvial)	454.2 - 451.7	3	24	1.35	S			
Brown to GrayBrown (Soft, Moist) Silty CLAY (Alluvial)	451.7 - 449.7	2	27	0.04	B			

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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SOIL DESCRIPTION	DEPTH (ft)	U (ft)	B (%)	S (%)	M (%)	MOISTURE (%)	LOG	TESTS
Gray (Stiff, Moist) Silty CLAY with Trace of Limestone Gravel (T ₁₁) (continued)	449.7 - 427.7							
Gray (Medium Stiff, Moist) CLAY (T ₁₁)	427.7 - 422.7	3	27	1.42	S			
Gray (Stiff, Moist) Silty CLAY (T ₁₁)	422.7 - 402.7	4	23	0.93	S			
Gray (Stiff, Moist) Silty CLAY with Trace Limestone (T ₁₁)	402.7 - 396.7	4	22	0.52	S			
Gray (Very Stiff, Moist) SILT (T ₁₁) A-4(6) See Classification @ 54 ft	396.7 - 391.7	9	27	NC				
Gray (Stiff, Moist) Silty CLAY with Trace Limestone (Residual)	391.7 - 389.7	6	22	0.52	S			
Gray Limestone	389.7 - 380						NS	

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SOIL DESCRIPTION	DEPTH (ft)	U (ft)	B (%)	S (%)	M (%)	MOISTURE (%)	LOG	TESTS
Gray Limestone (continued)	389.7 - 1000'						NS	
END OF BORING	1000'							

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DESIGNED -	EXAMINED	DATE - MARCH 20, 2012	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORING LOGS STRUCTURE NO. 060-0204	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
CHECKED -	ENGINEER OF BRIDGE DESIGN	REVIS			770	64-1BR	MADISON	137	98	
DRAWN -	PASSED	REVIS			CONTRACT NO. 76401					
CHECKED -	ENGINEER OF BRIDGES AND STRUCTURES	REVIS			ILLINOIS FED. AID PROJECT					