

**Illinois Department of Transportation**  
Division of Highways  
Illinois Department of Transportation

## SOIL BORING LOG

Page 1 of 2  
Date 3/22/11

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 \_\_\_\_\_

BORING NO. #3 E. Pier  
Station 57+05  
Offset 12.00ft Right  
Ground Surface Elev. 469.9 ft (ft) (6") (tsf) (%)

SOIL DESCRIPTION	DEPTH (ft)	U (ft)	M (%)	Surface Water Elev. (ft)	Stream Bed Elev. (ft)	Groundwater Elev.: First Encounter (ft)	Groundwater Elev.: Upon Completion After (ft)	U (ft)	M (%)
Asphaltic Concrete (7") Portland Concrete Cement (11")	0			449.4					
BrownGray (Very Soft, Moist) SILT (Alluvial)	1							0.04	28
Gravel	3	2.37	18						
BrownGray (Very Soft, Moist) Silty Clay LOAM (Alluvial)	3					451.4		0.07	25
BrownGray (Soft, Moist) Silty CLAY	2								
Brown with more Clay	1							0.08	29
Dark Gray (Soft, Moist) Silty CLAY with Trace Limestone (Alluvial) Coarse Sand Lens	3	0.18	28						
Gray (Soft, Moist) Silty Clay LOAM A-4(B) See Classification @ 11.5 ft (Alluvial) Dark Gray	1	0.11	31						
Brown (Very Soft, Moist) Silty Clay LOAM with Trace Limestone (Alluvial)	2							0.04	20
Brown, Gray with more Silt	1	0.96	24						
BrownGray (Stiff, Moist) Silty CLAY with Trace Limestone (TII)	1	0.23	25					2.56	15

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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BrownGray (Stiff, Moist) Silty CLAY with Trace Limestone (TII) (continued)	1								
Gray (Stiff, Moist) Silty CLAY with Trace Shells (TII) See Classification @ 69 ft	4							0.73	19
Gray (Very Stiff, Moist) Silty CLAY (TII)	3	1.82	25					2.95	25
Stiff with more Clay	4								
Trace Limestone	3	0.79	28						
Gray (Very Hard) Weathered SHALE with Interfaced Limestone	23								
Gray (Stiff, Moist) CLAY with Trace Shale (TII)	3							100.1*	
END OF BORING	4	0.73	31						

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DESIGNED -	EXAMINED _____	DATE - MARCH 20, 2012
CHECKED -	ENGINEER OF BRIDGE DESIGN	
DRAWN -	PASSED _____	REVISED _____
CHECKED -	ENGINEER OF BRIDGES AND STRUCTURES	REVISED _____

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SOIL BORING LOGS  
STRUCTURE NO. 060-0204**

SHEET NO. 25 OF 26 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
770	64-1BR	MADISON	137	99
CONTRACT NO. 76401				
ILLINOIS FED. AID PROJECT				