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

### SOIL BORING LOG

Date 3/17/11

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 55 ± 60

BORING NO. #4 W. Pier

Station 55 ± 60


Offset 15.00ft Left

Ground Surface Elev. 468.5 ft (ft) (6") (tsf) (%)

Description	Depth (ft)	D	B	U	M	Surface Water Elev. ft	Stream Bed Elev. ft	Groundwater Elev.: First Encounter ft	Groundwater Elev.: Upon Completion After Hrs.	D	B	U	M	Elevations		
														(ft)	(6")	(tsf)
Asphaltic Concrete (6"), Portland Cement Concrete (12")	467.0					448.0										
Dark Gray (Medium Stiff, Moist) Silty Clay LOAM (Fill) A-6(2) See Classification @ 2.5 ft	2		1.24	25		445.5										
Gray to Gray/Brown	2		0.58	25		443.0										
	2					441.5										
Gray (Medium Stiff, Moist) Silty LOAM (Alluvial)	1		0.77	26		439.5										
	3					438.5										
Gray (Medium Stiff, Moist) Silty LOAM (Alluvial) A-4(2) See Classification @ 11.5 ft	4		0.04	25		436.5										
	3					431.5										
Very Soft	2		0.03	26		430.5										
	2					427.5										
Gray/Brown (Very Soft, Moist) Silty CLAY with Trace Roots & Gravel (Alluvial)	1		0.14	25		421.5										
	2					416.5										

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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														(ft)	(6")
Brown (Medium Stiff, Moist) Clay LOAM with Trace Gravel (TII) (continued)	427.5					427.5									
Brown and Gray (Medium Stiff, Moist) CLAY (TII)	406.5					406.5									
Gray (Stiff, Moist) CLAY (TII)	2					401.5									
	4		1.25	26		421.5									
Gray (Stiff, Moist) SILT (TII)	4					416.5									
	7		0.40	24		416.5									
Gray (Medium Stiff, Moist) Silty Clay with Trace Wood & Shells (TII)	3		1.12	22		394.0									
	5					389.5									
Dark Gray (Hard) Weathered SHALE with Interlayered Urmestone	3					389.5									
	4					389.5									
Black Coal	100.5'					389.5									
END OF BORING	-80														

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BBS, form 137 (Rev. 8-99)

DESIGNED -	EXAMINED	DATE - MARCH 20, 2012	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SOIL BORING LOGS STRUCTURE NO. 060-0204</b>	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
CHECKED -	ENGINEER OF BRIDGE DESIGN				770	64-1BR	MADISON	137	100	
DRAWN -	PASSED	REVISOR			CONTRACT NO. 76401					
CHECKED -	ENGINEER OF BRIDGES AND STRUCTURES	REVISOR			ILLINOIS FED. AID PROJECT					