



Illinois Department of Transportation
Division of Highways
DOT DISTRICT #

SOIL BORING LOG

Page 1 of 3

Date 5/21/03

ROUTE FAI 79FAU 8021 DESCRIPTION MacArthur over I-72 LOGGED BY M. Tappan

SECTION (84-9-4)HBK,BY,BY-1 LOCATION NE 14, SEC. 20, TWP. 16 N, R. 6 W, 3 PM

COUNTY Sangamon DRILLING METHOD HSA HAMMER TYPE 140# Auto

STRUCT. NO.	STATION	DEPTH (ft)	DIAMETER (in)	SOIL DESCRIPTION	TESTS	REMARKS
084-0513	792+77.54			Surface Water Elev. NA ft		
				Stream Bed Elev. NA ft		
MAS-7 Center Pier	792+78			Groundwater Elev. 594.3 ft		
				First Encounter 594.3 ft		
				Upon Completion 592.8 ft		
				After 188 Hrs. 589.8 ft		
				Ground Surface Elev. 608.6 ft		
		0		Grey and Brown Moist SILTY CLAY (F11)		
		1		Brown and Grey Moist SILTY CLAY (continued)		
		2				
		3				
		4	2.6			
		5	B			
		6	2.7	Brown and Grey to Black		
		8	B			
		9		Black Moist SILTY CLAY		
		10	2.6			
		11	B			
		12		Brown and Grey Moist SILT		
		13				
		14	0.7			
		15	B			
		16		Free Water		
		17	0.8			
		18	B			
		19		Brown and Grey Moist SILTY CLAY		
		20	0.7			
		21	B			
		22				
		23		Grey Moist Fine to Clayey SHALE		
		24				
		25	0.7			
		26	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 (ASTM D1586)

EBS, from 137 (Rev. 8-99)



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				Stream Bed Elev. NA ft		
MAS-7 Center Pier	792+78			Groundwater Elev. 594.3 ft		
				First Encounter 594.3 ft		
				Upon Completion 592.8 ft		
				After 188 Hrs. 589.8 ft		
				Ground Surface Elev. 608.6 ft		
		27		Grey Moist Fine to Clayey SHALE (continued)		
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The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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084-0513	792+77.54			Surface Water Elev. NA ft		
				Stream Bed Elev. NA ft		
MAS-8 Center Pier	792+78			Groundwater Elev. 598.9 ft		
				First Encounter 598.9 ft		
				Upon Completion 588.4 ft		
				After 120 Hrs. 589.4 ft		
				Ground Surface Elev. 613.4 ft		
		81		Brown Moist CLAY LOAM (F11)		
		82		Brown and Grey Moist SILT (continued)		
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		84		Brown and Grey Moist SILTY CLAY		
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