



Illinois Department of Transportation
Division of Highways
DOT DISTRICT 7

SOIL BORING LOG

Page 1 of 2

Date 4/29/05

ROUTE FAI 79FAU 8021 DESCRIPTION MacArthur Over NSRR LOGGED BY M. Tappan

SECTION (84-9-4) HBK, BY, BY-1 /02-00382-02-PV LOCATION SE 14, SEC. 17, TWP. 15 N, RNG. 5 W, 3 PM

COUNTY Sangamon DRILLING METHOD HSA HAMMER TYPE 140# Auto

STRUCT. NO.	Station	D	B	U	M	Surface Water Elev.	Stream Bed Elev.	D	B	U	M
		P	O	S	S			P	O	S	S
		T	W	Q _u	T			T	W	Q _u	T
BORING NO. MAS-17 N. Abut	Station 801+80	H	S	Q _u	T	Groundwater Elev.:		H	S	Q _u	T
Offset 35.00ft Left						First Encounter 591.4 ft					
Ground Surface Elev. 600.4 ft		(R)	A ⁶	(inf)	(%)	Upon Completion 581.4 ft		(R)	A ⁶	(inf)	(%)
						After 15 D Hrs. 596.4 ft					
Black to Brown and Grey Moist SILTY CLAY						Light Blue Grey V. Moist CLAY LOAM (TID) (continued)					
			1						4		
			2	1.0	28	Greyish Brown Moist			16	8.7	11
			3	B					88	B	
			0						7		
Four Recovery			1	0.5	25				88	9.3	9
			2	F		Thin Seam of LIMESTONE at top of bedrock	876.40		87	S-14	
						Blue Grey Moist Weathered Clayey SHALE					
Tan and Light Grey V. Moist SILT	894.00										
			1	0.3	29						
			1	B							
Brown and Grey Moist SILTY CLAY LOAM	898.40										
Free Water			1	0.6	23				4		
			2	B					7		17
									12		
Brown and Grey Moist SILTY CLAY	899.90										
			1	0.4	28						
			1	B							
Brown and Grey Moist Weathered SILTY CLAY (TID)	897.60										
			1			Olive Brown and Blue Grey			5		15
			2	0.9	27				21		
			2	B					79		
Light Blue Grey V. Moist CLAY LOAM (TID)	894.90										
			1	0.3	30						
			1	B							
Grey Wet CLAY LOAM (TID)											
Sampler Advanced by Weight of Hammer			0	0	26	Grey and Brown			8		15
			0	B					88		

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 D 1586)

BBS, from 137 (Rev. 8-99)



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STRUCT. NO.	Station	D	B	U	M	Surface Water Elev.	Stream Bed Elev.	D	B	U	M
		P	O	S	S			P	O	S	S
		T	W	Q _u	T			T	W	Q _u	T
BORING NO. MAS-17 N. Abut	Station 801+80	H	S	Q _u	T	Groundwater Elev.:		H	S	Q _u	T
Offset 35.00ft Left						First Encounter 591.4 ft					
Ground Surface Elev. 600.4 ft		(R)	A ⁶	(inf)	(%)	Upon Completion 581.4 ft		(R)	A ⁶	(inf)	(%)
						After 15 D Hrs. 596.4 ft					

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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COUNTY Sangamon DRILLING METHOD HSA HAMMER TYPE 140# Auto

STRUCT. NO.	Station	D	B	U	M	Surface Water Elev.	Stream Bed Elev.	D	B	U	M
		P	O	S	S			P	O	S	S
		T	W	Q _u	T			T	W	Q _u	T
BORING NO. MAS-18 N. Abut	Station 801+99	H	S	Q _u	T	Groundwater Elev.:		H	S	Q _u	T
Offset 35.00ft Right						First Encounter 589.0 ft					
Ground Surface Elev. 600.5 ft		(R)	A ⁶	(inf)	(%)	Upon Completion 579.5 ft		(R)	A ⁶	(inf)	(%)
						After 15 D Hrs. 595.5 ft					
Black to Brown and Grey Moist SILTY CLAY						Light Blue Grey Moist CLAY LOAM (TID) (continued)					
			1	0.5	30	Grey			3		
			2	B					19	9.0	11
									88	B	
			0						7		
Tan and Light Grey Moist SILT	895.00										
			2	0.7	25						
			2	B							
Brown and Grey Moist SILTY CLAY LOAM	892.50					Olive Brown and Blue Grey Moist Weathered Clayey SHALE	873.00				
			1						4		
			2	0.6	24				8		17
			3	B					13		
Brown and Grey V. Moist SILTY CLAY	898.50										
Free Water			1	0.3	28						
			2	B							
Brown and Grey Moist Weathered SILTY CLAY (TID)	897.50										
			1			Brown and Grey			9		14
			2	0.7	26				26		
			2	B					74		
Light Blue Grey Moist CLAY LOAM (TID)	895.00										
			1	0.6	22						
			2	B							
Grey w/4" Medium Grained SAND			1						8		
			2	1.1	21				80		14
			4	B					70		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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BBS, from 137 (Rev. 8-99)

MMW 06/27/03
DAP 01/04/05
JMM 02/24/05

Corporate License Number 184-001-084

BORINGS
MACARTHUR BLVD. OVER N.S. R.R.
SECTION 02-00382-02-PV
SANGAMON COUNTY
STATION 800+69.78
STRUCTURE NUMBER 084-0512

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JOB# 96S2002B

DATE 10/30/05